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I.V. Cont.  
ANNUAL REPORT

OF THE  
May 4, 1910

Boston Protective Department,

FROM MARCH 1, 1881, TO MARCH 1, 1882.

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BOSTON:  
PRESS OF DELAND & BARTA,  
101 Milk Street.  
1882.

4168



EIGHTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1881, TO MARCH 1, 1882.

PRINTED BY  
J. B. LEECH, JR.,  
101 MILK STREET.

FOR SALE BY  
J. B. LEECH, JR.,  
101 MILK STREET.

THE  
BOSTON  
PRESS OF DELAND & BARTA,  
101 MILK STREET.

BOSTON:  
PRESS OF DELAND & BARTA,  
101 Milk Street.  
1882.

4106

# ORGANIZATION.

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## OFFICERS AND DIRECTORS OF THE BOSTON PROTECTIVE DEPARTMENT.

*President* . . . . . JAMES SWORDS.  
*Vice President* . . . . . J. EDWARD HOLLIS.  
*Treasurer* . . . . . CHAS. E. GUILD.  
*Secretary* . . . . . OSBORNE HOWES, JR.

### *Directors.*

Terms expiring March, 1882.

JAMES SWORDS. ISAAC SWEETSER.  
GEORGE R. ROGERS.

Terms expiring March, 1883.

CHAS. E. GUILD. SAMUEL APPLETON.  
WILLIAM A. WHEELER.

Terms expiring March, 1884.

J. EDWARD HOLLIS. GEO. C. STEARNS.  
H. V. FREEMAN.

### *Finance Committee.*

CHAS. E. GUILD. ISAAC SWEETSER.  
J. EDWARD HOLLIS.

### *Auditing Committee.*

P. E. EDDY. JOHN T. CHEPPU.  
HAMMOND VINTON.

## DIRECTORS' REPORT.

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BOSTON, March 13, 1882.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

*Gentlemen:*—Your Directors herewith submit their Eighth Annual Report of the operations of the Department, for the year ending March 1, 1882.

In accordance with the By-Laws, they would recommend that the corps be actively sustained during the ensuing year, and that the Directors be allowed to expend for that purpose a sum not exceeding thirty-five thousand dollars.

Respectfully submitted,

JAMES SWORDS,

*President.*

# SUPERINTENDENT AND FIRE MARSHAL'S REPORT.

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HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., NO. 5 HAMILTON ST. }

BOSTON, March 1, 1882.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT.

GENTLEMEN:—I herewith submit the Eighth Annual Report of this Department, for the year ending March 1, 1881.

The report embraces, in the annexed tables, the roster of the officers and members of the Department; resignations and appointments; a monthly statement of the alarms of fires, and duty performed by the Department, together with the amount of insurance and loss on buildings and contents, a classification of covers spread, the districts where the alarms of fire were given, the causes of fires and alarms.

The organization of the Department continues the same as last year.

During the year two horses have been purchased. One was assigned to Company No. 1, to take the place of one unfit for duty, owing to his being subject to fits; the other for use of the Superintendent.

During the year many buildings have been inspected, with favorable results; also, owners and occupants have been requested to replace broken glass in basement windows, all of whom have cheerfully complied.

On February 16, 1881, the Legislature of the State passed an act admitting the members of this Department to membership in the Boston Firemen's Relief Fund. See page 16.

The expenses of the Department have been increased during the year, owing to an increase of salaries of the members of the Department, the increase being the same as that paid to members of the Boston Fire Department; also to extensive alterations made in Company No. 1's house, so that the Company may respond to alarms with greater celerity; and to repairs on Wagon No. 2, which is now in first-class order. The repairs continue to be done by members of the Department, so far as the limited facilities will allow.

No serious accident has occurred to the apparatus or horses during the year.

A schedule of property is in possession of the President, and quarterly returns will hereafter be made, showing the amount of property on hand, that received, and that expended or condemned.

In conclusion, I desire to express my sincere thanks to you, Mr. President, and the Board of Directors, for your uniform kindness and coöperation, and also to the officers and members of this Department for their promptness in the faithful discharge of their duties; also to the Board of Fire Commissioners, Chief and Assistant Engineers, the Superintendent of the Fire Alarm, and all of the officers and members of the Boston Fire Department, for their courtesies and assistance at fires; also to the Ashton Valve Company, and their efficient foreman, Mr. Nelson Cutler, for assistance in perfecting the sliding pole in Wagon House No. 1.

Respectfully submitted,

SAMUEL ABBOTT, JR.,  
*Supt. and Fire Marshal.*



# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 35; RESIDENCE, No. 1 BRIGGS PL.; HEAD-QUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	46	Engineer . . . . .	5 Hamilton Street . . . .	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	32	Fireman . . . . .	13 N. Bennet Street . . . .	12	"
Driver.	G. W. Thompson . . . . .	46	Driver . . . . .	10 McLean Court . . . . .	13	"
Patrolman.	W. E. Wright . . . . .	33	Cooper . . . . .	32 Paris Street . . . . .	14	"
"	D. W. Brown . . . . .	29	Clerk . . . . .	109 Green Street . . . . .	15	"
"	J. H. Jacobs . . . . .	24	Clerk . . . . .	5 Hamilton Street . . . . .	16	"

## CALL FORCE.

Rank.	Name.	Age.	Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Patrolman.	J. E. Thayer . . . . .	51	Caulker . . . . .	Paris, cor. Sumner Street . .	17	East Boston . . . .
"	J. W. Sweetser . . . . .	32	Iron Worker . . . . .	9 Decatur Street . . . . .	18	Charlestown . . . .
"	H. S. Kendall . . . . .	35	Painter . . . . .	5 Hamilton Street . . . . .	19	Company Quarters . .
"	S. W. Ronimus . . . . .	27	Clerk . . . . .	71 Myrtle Street . . . . .	20	"
"	A. T. Osborne . . . . .	25	Machinist . . . . .	15 Pine Street . . . . .	21	"



COMPANY No. 2. No. 62 Shawmut Ave. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for duty.
Captain.	J. H. Huff . . . . .	35	Mason . . . . .	78 Carver Street . . . . .	22	Company Quarters.
Sr. Patrol.	M. F. Packard . . . . .	38	Mason . . . . .	48½ Shawmut Avenue . . . . .	23	"
Driver.	R. W. Hitchcock . . . . .	39	Driver . . . . .	44 Pleasant Street . . . . .	24	"
Patrolman.	J. L. Huff . . . . .	32	Mason . . . . .	66 Pleasant Street . . . . .	25	"
"	I. M. Hutchins . . . . .	37	Foreman for Contractor . . . . .	20 Gray Street . . . . .	26	"

CALL FORCE.

Rank.	Name.	Age.	Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Patrolman.	M. Regal . . . . .	30	Clerk . . . . .	50 Pleasant Street . . . . .	27	Company Quarters.
"	G. F. Williams . . . . .	42	Clerk . . . . .	15 Pine Street . . . . .	28	"
"	E. A. Coates . . . . .	28	Painter . . . . .	152 Chambers Street . . . . .	29	"
"	G. R. Donnelly . . . . .	28	Teamster . . . . .	4 Linden Park . . . . .	30	Boston Highlands.
"	Chas. Schwarm . . . . .	24	Wood Carver . . . . .	289 Silver Street . . . . .	31	South Boston.
"	B. C. Bird . . . . .	53	Janitor . . . . .	Highland Street . . . . .	32	Dorchester.
"	G. W. Dalton . . . . .	42	Blacksmith . . . . .	Temple Street . . . . .	33	Dorchester.
"	W. H. Keenan . . . . .	30	Clerk . . . . .	Brookside Avenue . . . . .	34	West Roxbury.
"	S. A. Coombs . . . . .	43	Tinsmith . . . . .	Rockland Street . . . . .	35	Brighton.

DISCHARGED.

Patrolman F. W. Pierce, May 1st, 1881.  
" G. A. Needham, September 16th, 1881.

APPOINTED.

A. T. Osborne, May 11th, 1881.  
G. W. Dalton, September 16th, 1881.

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Insurance, and Loss, for the year ending March 1, 1882.

MONTHS.	Alarms.				Covers Spread.	Extinguishers Used.	Durat'n of Serv.		Extra Hours Duty of Watchmen.	Buildings.		Contents.		Losses. No Insurance.		Total.	
	Bell.	Still.	Automatic.				Hours.	Minutes.		Insurance.	Loss.	Insurance.	Loss.	Buildings.	Contents.	Insurance.	Loss.
Mar., 1881.	31	10	0	41	61	7	37	0	111	\$150,600.00	\$6,500.57	\$52,860.00	\$10,058.77	\$1,088.00	\$1,113.00	\$203,460.00	\$18,760.34
April, "	42	7	0	49	23	2	43	45	68	175,604.50	6,345.77	111,150.00	17,272.60	885.00	1,495.00	286,754.50	25,998.37
May, "	37	10	0	47	125	6	71	15	211	200,100.00	19,123.13	207,639.00	48,156.55	360.00	630.00	407,739.00	68,269.68
June, "	24	1	0	25	65	7	29	30	57½	48,300.00	2,430.00	27,950.00	6,793.36	450.00	675.00	76,250.00	10,348.36
July, "	33	6	0	39	84	4	46	20	155	123,280.00	3,520.25	21,481.77	6,294.58	1,175.00	1,575.00	144,761.77	12,564.83
August, "	34	3	4	41	72	4	38	45	71	69,350.00	5,840.89	61,100.00	28,518.15	1,688.00	7,802.00	130,450.00	43,849.04
Sept., "	29	6	1	36	170	2	39	15	105½	97,585.50	6,363.63	83,625.00	14,924.13	2,902.00	2,904.78	181,210.50	27,094.54
Oct., "	36	14	2	52	138	7	71	45	147	248,520.65	16,274.50	347,740.45	42,187.98	—	6,173.55	596,261.10	64,636.03
Nov., "	38	14	0	52	171	11	90	35	126	210,555.24	13,461.79	200,700.00	38,901.18	100.00	431.72	411,255.24	52,894.69
Dec., "	45	6	0	51	78	11	64	0	70	233,352.50	7,941.71	151,052.00	14,138.20	915.00	2,801.30	384,404.50	25,796.21
Jan., 1882	36	12	1	49	266	3	80	40	241	292,133.33	17,373.04	183,248.67	59,881.54	1,116.67	9,322.92	475,382.00	87,694.17
Feb., "	28	11	0	39	111	5	57	10	146	340,577.50	15,788.02	182,208.00	69,851.55	332.00	11,927.89	522,785.50	97,899.46
Total . .	413	100	8	521	1,364	69	670	00	1508½	\$2,189,959.22	\$120,963.30	\$1,630,754.89	\$356,978.59	\$11,011.67	\$46,852.16	\$3,820,714.11	\$535,805.72

## LOSSES NOT SETTLED.

January 7, 1882, 588 Albany Street, Snellings & Co., on coal.  
February 22, 1882, Wales Wharf, W. F. Wade & Sons, on building.

Comparison of aggregates of fires, insurance and losses for two years.

From March 1, 1880, to March 1, 1881, there were 587 fires, with an insurance of \$6,009,756.00, and loss of \$1,056,468.00.

From March 1, 1881, to March 1, 1882, there were 521 fires, with an insurance of \$3,820,714.11, and loss of \$535,805.72, \$57,863.83 of which was not covered by insurance.



## CAUSES OF FIRES AND ALARMS.

Alarms, false . . . . .	23
„ „ needless . . . . .	30
Assistance, call for . . . . .	5
Ashes, hot, placed in wooden receptacles . . . . .	7
„ „ from pipes . . . . .	12
„ „ placed on the floor . . . . .	5
Attempting to thaw out water pipes . . . . .	6
Boiling over of tar in kettles . . . . .	6
„ „ „ fat „ „ . . . . .	4
Brush fires . . . . .	7
Candles, curtain ignited from lighted . . . . .	1
„ „ children playing with „ . . . . .	1
„ „ clothing igniting from „ . . . . .	1
Children setting fires . . . . .	6
Chimney fires . . . . .	15
Chimneys, smoky . . . . .	3
Cigar stubs . . . . .	2
„ „ lighted, thrown into wooden spittoons filled with sawdust . . . . .	4
Cigarettes, thrown into waste-basket . . . . .	1
Defective set furnace . . . . .	1
„ „ construction of funnel hole . . . . .	1
„ „ fire-place . . . . .	2
„ „ set wash-boiler . . . . .	1
„ „ chimneys . . . . .	18
Explosion of chemicals . . . . .	1
Fires rekindling . . . . .	4
Fireworks . . . . .	2
Fire-crackers . . . . .	4
Fire balloons . . . . .	1
Fire pots, Plumbers' . . . . .	2
Flames from furnace . . . . .	1
Friction from journal . . . . .	1
„ „ „ machinery . . . . .	2
„ „ „ blower . . . . .	1
Furnace, smoky . . . . .	1
„ „ fire, tar igniting from . . . . .	1
Gas jet, igniting Christmas tree . . . . .	1
„ „ „ „ curtains . . . . .	16
„ „ „ „ goods in window . . . . .	4
„ „ „ „ fish net . . . . .	1
„ „ „ „ mosquito netting . . . . .	1
„ „ „ „ turpentine . . . . .	1
„ „ „ „ wood work . . . . .	1
„ „ „ „ explosions . . . . .	3

Hot iron igniting sawdust . . . . .	1
„ „ „ floor . . . . .	1
„ irons in bureau draws . . . . .	1
„ boiler, apron igniting from . . . . .	1
Incendiary, supposed . . . . .	48
Kerosene oil lamps, explosion of . . . . .	17
„ „ „ upsetting of . . . . .	12
„ „ „ turpentine igniting from . . . . .	1
„ „ „ clothing „ „ . . . . .	1
„ „ attempting to kindle a fire with . . . . .	1
„ „ stoves, upsetting of . . . . .	2
„ „ vapor igniting from . . . . .	2
Ladder call . . . . .	1
Lamp on the floor, upsetting a lighted sperm oil . . . . .	1
Lantern on the floor, knocking a lighted . . . . .	1
Lightning . . . . .	2
Lime, slacking of . . . . .	4
Matches, children playing with . . . . .	26
„ igniting curtains . . . . .	3
„ among sawdust, throwing a lighted . . . . .	1
„ on closet floors, „ „ . . . . .	12
„ among bagging, „ „ . . . . .	1
„ on cotton batting, „ „ . . . . .	1
„ on lounge, „ „ . . . . .	2
„ among hair, „ „ . . . . .	1
„ waste paper basket, „ „ . . . . .	3
„ on floor, „ „ . . . . .	9
„ on papers, „ „ . . . . .	2
„ in a barrel of oil, „ „ . . . . .	1
„ on hay, „ „ . . . . .	1
„ basket of clothes, „ „ . . . . .	2
Overheated boiler . . . . .	1
„ dry room . . . . .	1
„ hot air pipe . . . . .	1
„ stoves . . . . .	12
„ stove funnels . . . . .	4
„ furnaces . . . . .	2
„ range . . . . .	1
Spontaneous combustion . . . . .	8
„ „ of oily waste . . . . .	3
„ „ „ „ rags . . . . .	4
„ „ „ „ painters' material . . . . .	1
„ „ „ „ soft coal . . . . .	1
Sparks igniting charcoal . . . . .	2
„ from pipes . . . . .	2
„ „ chimneys . . . . .	10
„ „ locomotives . . . . .	4
„ „ roofers' fire pots . . . . .	2



Sparks from another fire . . . . .	1
„ „ stationary engines . . . . .	2
„ „ sawing maple . . . . .	1
„ „ fire box . . . . .	3
„ „ funnel hole . . . . .	1
„ „ pile-driving engine . . . . .	1
„ „ tug boat . . . . .	1
„ „ stove . . . . .	1
Steam pipes . . . . .	4
Slugs, hot, igniting rags. . . . .	1
Stoves, smoky . . . . .	1
Unknown . . . . .	65
Vapor from alcohol . . . . .	1
„ „ naphtha . . . . .	4
„ „ black varnish . . . . .	1
„ „ high proof spirits . . . . .	1
	<hr/>
Total,	521

## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1881, TO MARCH 1, 1882.

Months.		Days of the Week.		Days of the Month.		Hours of the Day.	
March . . . .	41	Monday . .	83	1	20	6 to 7 A. M.	7
				2	18	7 " 8 "	13
				3	19	8 " 9 "	14
April . . . .	49	Tuesday .	73	4	29	9 " 10 "	23
				5	18	10 " 11 "	15
				6	11	11 " 12 "	23
May . . . .	47	Wednesday .	76	7	19	12 " 1 P. M.	27
				8	23	1 " 2 "	13
				9	19	2 " 3 "	18
June . . . .	25	Thursday .	65	10	19	3 " 4 "	24
				11	13	4 " 5 "	23
				12	20	5 " 6 "	48
July . . . .	39	Friday . .	84	13	22	6 " 7 "	43
				14	16	7 " 8 "	30
				15	17	8 " 9 "	39
August . . . .	41	Saturday .	65	16	14	9 " 10 "	32
				17	21	10 " 11 "	38
				18	11	11 " 12 "	17
September . .	36	Sunday . .	75	19	10	12 " 1 A. M.	24
				20	17	1 " 2 "	15
				21	17	2 " 3 "	8
October . . . .	52			22	15	3 " 4 "	7
				23	20	4 " 5 "	13
				24	17	5 " 6 "	7
November . .	52			25	19		
				26	14		
				27	16		
December . .	51			28	16		
				29	16		
				30	10		
January . . . .	49			31	5		
February . .	39						
	521		521		521		521

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	288
Boston Highlands . . . . .	49
Charlestown . . . . .	35
East Boston . . . . .	45
South Boston . . . . .	29
Dorchester . . . . .	25
West Roxbury . . . . .	33
Brighton . . . . .	13
Cambridge . . . . .	2
Milton . . . . .	1
Chelsea . . . . .	1
Total . . . . .	521

# TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

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1880.		
March.	By Cash on hand, Balance . . . . .	\$11,291.90
	Balance of Assessment (Jan. 1, 1881) collected . . .	3,116.08
	Six months' Assessment, to July 1, 1881 . . . . .	12,948.14
	Six months' Assessment, to Jan. 1, 1882 . . . . .	14,192.72
	Interest, Eliot National Bank . . . . .	224.37
	Cash received of C. M. Williams, for Badge lost . . .	1.00
		<hr/>
		\$41,774.21

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\$41,774.21

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### NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69



## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1882.

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To Cash paid—	
Pay Roll . . . . .	\$17,265.23
Rent and Taxes . . . . .	2,747.86
Hay and Grain . . . . .	467.95
Purchase of 2 Horses . . . . .	444.40
Board and Hire of Horses . . . . .	334.50
Horse Shoeing and Veterinary . . . . .	201.80
Wagon and Harness Repairs . . . . .	312.48
One Set Wheels and Extra Wheels, Wagon No. 2 . . . . .	292.93
Washing . . . . .	208.34
Oils, Soaps, Brooms, Lanterns, and Supplies . . . . .	286.71
Fuel . . . . .	234.25
Gas . . . . .	300.80
Alterations, House No. 1 . . . . .	262.20
Bedsteads, Mattresses, etc., for Call-men in Hook and Ladder Houses . . . . .	197.38
Rubber Covers and Repairs . . . . .	89.50
Telephone Despatch Co. . . . .	190.00
Telegraph and Repairs . . . . .	173.65
Water Tax . . . . .	30.00
Turkeys at Thanksgiving . . . . .	67.25
Sundries . . . . .	336.73
Secretary and Boy, Rent of Rooms, and Sundries . . . . .	907.47
Treasurer . . . . .	600.00
Printing and Stationery, including Annual Report . . . . .	538.76
Directors' Meetings . . . . .	76.00
Advertising Annual Meeting . . . . .	27.50
	<hr/>
	\$26,593.69
Balance Due, Assessment Jan. 1, 1882 . . . . .	1,310.05
Balance, Cash on hand . . . . .	13,870.47
	<hr/>
	\$41,774.21

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E. &amp; O. E.

C. E. GUILD, *Treasurer*.

BOSTON, March 11, 1882.

Audited and found correct to date.

Signed,

P. E. EDDY,	}	<i>Auditing Committee.</i>
HAMMOND VINTON,		
JOHN T. CHEPPU,		

## RELIEF FUND.

On March 17, 1880, the following act was passed by the Legislature of the State: —

## CHAPTER 107.

SECT. 4. The Mayor of the city of Boston for the time being (and his successors in office), the Board of Fire Commissioners of the city of Boston for the time being (and their successors in office), shall together continue a body corporate for the purposes of receiving and holding all sums of money, and real and personal estate, not exceeding in the aggregate two hundred thousand dollars, which may be given, granted, bequeathed or devised to it for the benefit of members of the Boston Fire Department, or their families, requiring assistance, or for the benefit of any persons or the families of any persons who have been such members, requiring assistance. The property so held shall be known as the Boston Fireman's Relief Fund. The said body corporate shall have authority to manage and dispose of the same and the income thereof, according to their best discretion, subject to the provisions of any and all trusts which may be created for the purposes aforesaid.

Such corporation shall have all the powers and privileges, and be subject to all the duties, restrictions and liabilities set forth in all general laws, which now or may hereafter be in force, relating to similar corporations.

On February 16, 1881, the following act was passed by the Legislature of the State: —

SECTION 1. The provisions of section four of chapter one hundred and seven of the acts of eighteen hundred and eighty, being "An Act in relation to pensioning disabled members of the Fire Department of the city of Boston and for other purposes," shall be held to apply to the members of the Boston Protective Department in the same manner and to the same extent as to the members of the Fire Department.

SECT. 2. This act shall take effect upon its passage.

The following amounts have been paid to members of this Department during the year, by Treasurer Edward A. White, of the Boston Fireman's Relief Fund: —

Co. No. 1, Patrolman W. E. Wright, Jan. 10, sick four days,	
doctor's bill \$2.00, received . . . . .	\$6.00
Co. No. 1, Lieut. S. E. Smith, Jan. 22, sick four days, received	4.00





NINTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1882, TO MARCH 1, 1883.

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BOSTON:  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1883.



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BOSTON:  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1883.

APR 23 1910

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## DIRECTORS' REPORT.

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BOSTON, March 9, 1883.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

*Gentlemen*:—The Directors of the Protective Department beg leave to report that the Department is in a good state of efficiency. During the past year the quarters of Company No. 2 have been removed from the house near the corner of Pleasant street and Shawmut avenue, to a new house on the extension of Broadway, near Washington street. A lease of this building—an old dwelling house—was taken for ten years, the Department making, at its own expense, the changes needed to adapt it to its requirements. The location is a good one, and the house, in its present condition, is in every way satisfactory.

The Directors have to recommend: First, that the active duties of the Boston Protective Department be continued for another year. Second, that the Directors be authorized to expend a sum not exceeding \$40,000 during the next year. Third, that the Directors be authorized to consider the advisability of substituting permanent men for call-men in the city proper, and to make such a change if the same is considered advantageous. The Directors have the right to make this change; but, as it would involve an increased annual expense of not less than \$4,000, it has been thought best to refer the subject to the corporation. The change is recommended by the Superintendent, for the reason that all of the companies of the Boston Fire Department, in the city proper, are made up of permanent men; and as, during the day-time the permanent force of the companies of the Protective Department is weakened (by men going to their meals, and by regular days of absence), it has frequently happened that when one of the wagons has arrived at a fire it only has two men with it available for duty; and, as the work of the Protective Department, to be effective, must usually be performed before the Fire Department gets to work, the delay in awaiting the arrival of the call-men often causes considerable damage to unprotected merchandise. The Directors are of opinion that the extra money spent would be saved in reduced losses many times over in the course of a year.

For the Directors,

JAMES SWORDS,

*President.*



## SUPERINTENDENT AND FIRE MARSHAL'S REPORT.

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HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., NO. 5 HAMILTON ST. }

BOSTON, March 1, 1883.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT.

GENTLEMEN : — I herewith submit the Ninth Annual Report of this Department, for the year ending March 1, 1883.

The report embraces, in the annexed tables, the roster of the officers and members of the Department ; resignations and appointments ; a monthly statement of the alarms of fires, and duty performed by the Department, together with the amount of insurance and loss on buildings and contents, a classification of covers spread, the districts where the alarms of fire were given, the causes of fires and alarms.

The organization of the Department continues the same as last year.

In conclusion, I desire to express my sincere thanks to the President, Mr. James Swords, and Board of Directors, for your uniform kindness and coöperation, and also to the officers and members of this Department for their promptness in the faithful discharge of their duties ; also to the Board of Fire Commissioners, Chief and Assistant Engineers, the Superintendent of the Fire Alarm, and all of the officers and members of the Boston Fire Department, for their courtesies and assistance at fires

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Supt. and Fire Marshal.*

# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 36; RESIDENCE, No. 84 DOVER ST.; HEAD-QUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	47	Engineer . . . . .	12 Cedar Sq. . . . .	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	33	Fireman . . . . .	13 N. Bennet Street . . . .	12	" "
Driver.	G. W. Thompson . . . . .	47	Driver . . . . .	10 McLean Court . . . . .	13	" "
Patrolman.	W. E. Wright . . . . .	34	Cooper . . . . .	32 Paris Street . . . . .	14	" "
"	D. W. Brown . . . . .	30	Clerk . . . . .	33 Lynde Street . . . . .	15	" "
"	J. H. Jacobs . . . . .	26	Clerk . . . . .	33 Pinckney Street . . . . .	16	" "

## CALL FORCE.

Rank.	Name.	Age.	Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Patrolman.	J. E. Thayer . . . . .	52	Caulker . . . . .	Paris, cor. Sumner Street . .	17	East Boston
"	J. W. Sweetser . . . . .	33	Iron Worker . . . . .	9 Decatur Street . . . . .	18	Charlestown
"	G. H. Carter . . . . .	35	Porter . . . . .	10 McLean Court . . . . .	19	Company Quarters
"	S. W. Ronimus . . . . .	28	Clerk . . . . .	71 Myrtle Street . . . . .	20	" "
"	A. T. Osborne . . . . .	26	Machinist . . . . .	15 Pine Street . . . . .	21	" "

## TRANSFERS.

H. S. Kendall, from Call-man to Permanent of Co. No. 2, Nov. 12, 1882.

## APPOINTED.

G. H. Carter, Dec. 13, 1882.

**COMPANY No. 2. No. 11 Pine Street. PERMANENT FORCE.**

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff . . . . .	36	Mason . . . . .	78 Carver Street . . . . .	22	Company Quarters.
Sr. Patrol.	M. F. Packard . . . . .	39	Mason . . . . .	48½ Shawmut Avenue . . . . .	23	" "
Driver.	I. M. Hutchins . . . . .	38	Foreman of Contractors . . . . .	20 Gray Street . . . . .	26	" "
Patrolman.	J. L. Huff . . . . .	33	Mason . . . . .	66 Pleasant Street . . . . .	25	" "
"	H. S. Kendall . . . . .	36	Painter . . . . .	11 Pine Street . . . . .	24	" "

**CALL FORCE.**

Rank.	Name.	Age.	Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Patrolman.	M. Regal . . . . .	31	Clerk . . . . .	11 Pine Street . . . . .	27	Company Quarters.
"	G. F. Williams . . . . .	43	Clerk . . . . .	15 Pine Street . . . . .	28	" "
"	J. C. Bense . . . . .	33	Mason . . . . .	11 Pine Street . . . . .	29	" "
"	F. O. Hinckley . . . . .	24	Clock Maker . . . . .	1123 Harrison Avenue . . . . .	30	Boston Highlands.
"	Chas. Schwarm . . . . .	25	Wood Carver . . . . .	289 Silver Street . . . . .	31	South Boston.
"	B. C. Bird . . . . .	54	Janitor . . . . .	Highland Street . . . . .	32	Dorchester.
"	G. W. Dalton . . . . .	43	Blacksmith . . . . .	Temple Street . . . . .	33	Dorchester.
"	W. H. Keenan . . . . .	31	Clerk . . . . .	Brookside Avenue . . . . .	34	West Roxbury.
"	S. A. Coombs . . . . .	44	Tinsmith . . . . .	Rockland Street . . . . .	35	Brighton.

**DISCHARGED.**

Patrolman G. W. Donnelly, July 10, 1882.  
 " R. W. Hitchcock, November 1, 1882.  
 " E. A. Coates, December 13, 1882.

**APPOINTED.**

F. O. Hinckley, July 10, 1882.  
 H. S. Kendall, November 1, 1882.  
 J. C. Bense, December 13, 1882.



# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Fires Extinguished, Insurance, and Loss, for the year ending March 1, 1883.

MONTHS.	Alarms.			Extinguishers Used.	Dur'n of Serv.		Extra Hours Duty of Watchman.	Buildings.		Contents.		Losses Not Insured.		Total.		
	Bell.	Still.	Automatic.		Ext'd by Oc.	Total.		Covers Spread.	Hours.	Minutes.	Loss.	Insurance.	Building.		Contents.	
March, 1882.	32	2	0	2	36	158	5	42 25	\$231,750.00	\$3,813.96	\$244,140.00	\$68,130.72	\$515.00	\$1,255.00	\$475,890.00	\$73,714.68
April,	39	4	1	1	45	87	3	70 35	151,200.00	19,090.88	107,534.40	27,926.69	1,150.00	6,203.00	258,734.40	54,370.57
May,	33	3	1	1	38	124	11	47 40	287,320.76	13,288.16	184,900.00	28,827.69	—	4,150.49	472,220.76	46,266.34
June,	43	1	0	2	46	135	12	77 00	166,374.68	27,877.38	213,198.00	60,387.10	17,120.00	14,925.89	379,572.68	120,365.37
July,	46	2	0	1	49	278	3	68 30	164,705.00	9,118.91	263,250.00	27,076.67	785.00	1,365.00	427,965.00	38,345.58
August,	23	6	0	1	30	192	1	42 30	91,550.00	7,106.00	141,233.33	37,597.73	1,473.00	6,667.60	232,783.33	52,844.33
Sept.,	30	3	0	0	33	40	2	34 10	88,900.00	6,532.00	17,218.00	5,166.80	—	650.00	106,118.00	12,348.80
October,	26	7	0	1	34	116	4	35 15	119,450.00	4,816.75	153,550.00	15,146.22	232.00	3,415.00	273,000.00	23,377.97
Nov.,	32	14	0	1	47	86	6	40 35	132,442.67	5,048.92	97,807.33	21,958.22	3,160.00	32,279.86	30,654.14	256,627.72
Dec.,	36	16	0	3	55	206	4	69 20	356,626.00	24,867.16	687,450.00	136,500.10	3,160.00	32,279.86	1,044,076.00	100,513.90
January, 1883.	45	14	0	0	59	261	3	91 30	495,675.00	18,675.18	309,924.66	69,181.72	175.00	12,482.00	806,539.66	51,109.98
February, "	35	2	1	0	38	227	3	73 10	195,750.00	11,269.61	327,175.00	34,380.37	800.00	4,750.00	530,925.00	—
Total . .	420	74	3	13	510	1910	57	692 40	\$2,481,744.11	\$151,504.91	\$2,747,380.72	\$532,280.03	\$26,460.00	\$90,508.84	\$5,238,124.83	\$860,619.38

## Losses not Settled.

Dec. 30. 165 Pearl Street, Clements & Co. Feb. 25. Centre, near South Street, on building.  
 Feb. 8. 14 Charlestown Street, J. W. Bailey. " 27. 181 Washington Street, on contents.  
 " 21. 71 and 79 Lincoln Street, W. Lyons.

## Comparison of Aggregates of Fires, Insurance, and Losses for three years.

	Fires.			Covers Spread.			Insurance.			Total Loss.			Loss not Ins.		
	March 1, 1880, to March 1, 1881			587			1596			\$1,056,468.00			\$57,863.83		
	March 1, 1881, to March 1, 1882			521			1364			3,820,714.11			535,805.72		
	March 1, 1882, to March 1, 1883			510			1910			5,238,124.83			860,619.38		

## CAUSES OF FIRES AND ALARMS.

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Alarms, false . . . . .	28
„ needless . . . . .	29
Assistance, call for . . . . .	3
Ashes, hot, placed in wooden receptacles . . . . .	9
„ „ from pipes . . . . .	4
„ „ placed on the floor . . . . .	3
Attempting to thaw out water pipes . . . . .	5
Boiling over of fat in kettles . . . . .	4
„ „ „ wax „ „ . . . . .	1
„ „ „ patent medicine in kettle . . . . .	1
Brush fires . . . . .	9
Candles . . . . .	4
„ curtain ignited from lighted . . . . .	1
„ igniting a Christmas tree . . . . .	2
„ „ a bureau . . . . .	1
Children setting fires . . . . .	5
Chimney fires . . . . .	20
Cigar stubs . . . . .	6
„ „ lighted, thrown into a wooden spittoon filled with sawdust . . . . .	4
Defective fire-place . . . . .	4
„ set boiler . . . . .	2
„ chimney . . . . .	20
Explosion of chemical . . . . .	1
Fires rekindling . . . . .	2
Fire crackers . . . . .	2
Fire pot, plumber's . . . . .	2
Gas jet igniting curtain . . . . .	8
„ „ „ goods in a window . . . . .	2
„ „ „ woodwork . . . . .	5
„ „ „ photographic paper . . . . .	1
„ „ „ evergreen . . . . .	1
„ „ under glue pot . . . . .	1
Hot metal . . . . .	3
Incendiary, supposed . . . . .	35
Kerosene oil lamp, explosions of . . . . .	22
„ „ „ upsetting „ . . . . .	7
„ „ „ igniting paper . . . . .	1
„ „ „ „ a curtain . . . . .	1
„ „ attempting to kindle a fire with . . . . .	2

Kerosene oil stove, upsetting of a . . . . .	1
"    "    "    explosion " . . . . .	5
"    "    vapor igniting . . . . .	2
Lightning . . . . .	1
Matches, children playing with . . . . .	22
"    igniting curtains . . . . .	2
"    on closet floor . . . . .	11
"    igniting cotton . . . . .	1
"    "    excelsior . . . . .	2
"    "    varnish . . . . .	1
"    "    hay . . . . .	3
"    "    mattress . . . . .	1
"    "    paper in waste baskets . . . . .	7
"    on floor . . . . .	6
"    "    clothes in basket . . . . .	2
Overheated, hot air pipe . . . . .	7
"    stoves . . . . .	9
"    "    funnel . . . . .	5
"    journal . . . . .	1
"    chimneys . . . . .	2
"    furnaces . . . . .	1
Rats and matches . . . . .	2
Spontaneous combustion . . . . .	15
"    "    of oily waste . . . . .	5
"    "    "    "    rags . . . . .	9
"    "    "    "    cotton . . . . .	2
"    "    "    soft coal . . . . .	2
"    "    "    printers' ink . . . . .	1
Sparks from chimneys . . . . .	16
"    "    roofers' fire pot . . . . .	1
"    "    picking machine . . . . .	1
"    "    furnace fire . . . . .	2
"    "    forge " . . . . .	2
"    "    stationary engine . . . . .	1
"    "    fire box . . . . .	4
Steam pipe . . . . .	2
Stove, smoky . . . . .	1
"    clothing igniting from a hot . . . . .	1
"    bedding "    "    "    "    " . . . . .	1
Unknown . . . . .	78
Torch igniting a curtain . . . . .	1
Vapor from alcohol . . . . .	1
"    "    naphtha . . . . .	6
"    "    benzine . . . . .	3
Total . . . . .	510



## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1882, TO MARCH 1, 1883.

Months.		Days of the Week.		Days of the Month.		Hours of the Day.	
March . . . .	36	Monday . . .	65	1	14	6 to 7 A. M.	10
				2	15	7 " 8 "	10
				3	18	8 " 9 "	18
				4	21	9 " 10 "	14
April . . . .	45	Tuesday . . .	74	5	19	10 " 11 "	24
				6	13	11 " 12 "	17
				7	14	12 " 1 P. M.	24
May . . . .	38	Wednesday . .	87	8	18	1 " 2 "	22
				9	16	2 " 3 "	18
				10	13	3 " 4 "	16
June . . . .	46	Thursday . . .	52	11	18	4 " 5 "	22
				12	18	5 " 6 "	25
				13	11	6 " 7 "	39
July . . . .	49	Friday . . . .	74	14	9	7 " 8 "	39
				15	29	8 " 9 "	35
				16	20	9 " 10 "	24
August . . . .	30	Saturday . . .	81	17	23	10 " 11 "	28
				18	13	11 " 12 "	23
				19	22	12 " 1 A. M.	19
September . .	33	Sunday . . . .	77	20	15	1 " 2 "	23
				21	13	2 " 3 "	20
				22	16	3 " 4 "	17
October . . . .	34			23	15	4 " 5 "	14
				24	26	5 " 6 "	9
				25	21		
November . . .	47			26	16		
				27	15		
				28	7		
December . . .	55			29	13		
				30			
				31			
January . . . .	59						
February . . .	38						
	510		510		510		510

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	285
Boston Highlands . . . . .	53
Charlestown . . . . .	41
East Boston . . . . .	50
South Boston . . . . .	29
Dorchester . . . . .	27
West Roxbury . . . . .	17
Brighton . . . . .	5
Watertown . . . . .	1
Everett . . . . .	1
Chelsea . . . . .	1
<b>Total . . . . .</b>	<b>510</b>

## TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

[illegible]

\$44,684.20

NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49

## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1883.

## To Cash paid—

Pay Roll . . . . .	\$17,590.37
Rent and Taxes . . . . .	2,826.67
Hay and Grain . . . . .	720.10
Wagon and Harness Repairs . . . . .	491.33
Board of Supt's Horse . . . . .	285.29
Horse Shoeing and Veterinary . . . . .	237.45
Fuel . . . . .	299.57
Gas . . . . .	330.58
Oil, Soap, Brooms and Supplies . . . . .	160.91
Washing . . . . .	174.31
Telephone Despatch Co. . . . .	206.80
Telegraph and Repairs . . . . .	194.56
Water Tax . . . . .	85.00
Helmets . . . . .	98.62
Turkeys at Thanksgiving . . . . .	72.96
Sundries . . . . .	349.66
Advertising Annual Meeting . . . . .	26.13
Secretary and Boy. Rent of Rooms and Sundries . . . . .	1,157.13
Printing and Stationery . . . . .	453.05
Treasurer . . . . .	600.00
Directors' Meetings . . . . .	99.00
Legal Advice . . . . .	100.00
Alterations to Building No. 11 Pine St., New House for Co. No. 2 . . . . .	6,333.49
Furnishing New House for Co. No. 2 . . . . .	196.00
	<hr/> \$33,088.98
Balance due, Assessment Jan. 1, 1883 . . . . .	4,001.03
Balance, Cash on hand . . . . .	7,594.19
	<hr/> \$44,684.20

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 12, 1883.

Audited and found correct to date.

Signed,

P. E. EDDY,  
 HAMMOND VINTON, } *Auditing Committee.*  
 JOHN T. CHEPPU, }

# CLASSIFICATION OF COVERS SPREAD.

17 Fires of	1 Cover	. . .	17	3 Fires of	28 Covers	. . .	84
27 " "	2 Covers	. . .	54	1 Fire "	29 "	. . .	29
19 " "	3 "	. . .	57	1 " "	30 "	. . .	30
9 " "	4 "	. . .	36	1 " "	32 "	. . .	32
10 " "	5 "	. . .	50	1 " "	34 "	. . .	34
9 " "	6 "	. . .	54	1 " "	38 "	. . .	38
4 " "	7 "	. . .	28	1 " "	39 "	. . .	39
7 " "	8 "	. . .	56	1 " "	42 "	. . .	42
2 " "	9 "	. . .	18	2 Fires "	49 "	. . .	98
4 " "	11 "	. . .	44	1 Fire "	53 "	. . .	53
2 " "	12 "	. . .	24	1 " "	61 "	. . .	61
1 Fire "	13 "	. . .	13	1 " "	62 "	. . .	62
3 Fires "	14 "	. . .	42	1 " "	66 "	. . .	66
3 " "	16 "	. . .	48	1 " "	81 "	. . .	81
1 Fire "	17 "	. . .	17	1 " "	83 "	. . .	83
2 Fires "	18 "	. . .	36	1 " "	84 "	. . .	84
1 Fire "	19 "	. . .	19	1 " "	86 "	. . .	86
1 " "	20 "	. . .	20	1 " "	146 "	. . .	146
2 Fires "	25 "	. . .	50				
2 " "	26 "	. . .	52				
1 Fire "	27 "	. . .	27				
			</				

## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by the Board of Trustees to sick and disabled members of the Boston Protective Department during the year:—

W. E. Wright,	Jan. 14	. . . . .	\$6.00	
S. E. Smith	„ 26	. . . . .	4.00	
M. Regal,	Mar. 28	. . . . .	20.00	
J. W. Sweetser,	May 6	. . . . .	50.00	
J. W. Sweetser,	July 27	. . . . .	75.00	
A. T. Osborne,	„ 26	. . . . .	14.00	
A. T. Osborne,	Sept. 23	. . . . .	60.00	
J. L. Huff,	July 10	. . . . .	23.00	
D. W. Brown,	Oct. 23	. . . . .	17.00	
M. Packard,	Jan. 26	. . . . .	3.00	{ Donated to the Funds.
J. H. Huff,	Mar. 5	. . . . .	7.25	
Chas. Schwarm,	„ 5	. . . . .	5.00	
J. W. Sweetser,	„ 5	. . . . .	33.50	
S. E. Smith,	„ 5	. . . . .	18.75	
S. Ronimus,	„ 5	. . . . .	57.25	
			\$393.75	









TENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1883, TO MARCH 1, 1884.

BOSTON:  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1884.



TENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1883, TO MARCH 1, 1884.

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BOSTON:  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1884.

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## REPORT OF DIRECTORS.

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THE Directors of the Boston Protective Department, in submitting to the members, this, their Tenth Annual Report, wish to call attention to the fact, that some addition to the ordinary current expenses of the Department has been made in consequence of the formation of the two city companies upon what is termed a permanent basis, *i. e.*, instead of having in these two organizations a part of the men employed as a "call-force," to render service only when alarms are sounded, all the men are now permanently employed, and are at all times in readiness for service. This has made the Department much more efficient, — a result which, in the opinion of the Directors, more than counterbalances the increase in cost.

The Directors would recommend that the active service of the Department be continued for another year, and that the Board of Directors be authorized to expend, during the next year, a sum not exceeding \$40,000.

*For the Directors.*



## SUPERINTENDENT AND FIRE MARSHAL'S REPORT.

---

HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., NO. 5 HAMILTON ST. }

BOSTON, March 1, 1884.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT :

GENTLEMEN : — I herewith submit the Tenth Annual Report of this Department, for the year ending March 1, 1884.

The report embraces, in the annexed tables, the roster of the officers and members of the department; resignations and appointments; a monthly statement of the alarms of fires, and duty performed by the department, together with the amount of insurance and loss on buildings and contents, a classification of covers spread, the districts where the alarms of fire were given, the causes of fires and alarms, a comparison of losses and premiums received, a statement of benefits paid to members of this department from the Boston Firemen's Relief Fund on account of sickness. Up to May 10, 1883, the organization of the department continued the same as last year. But at the fires Dec. 30, 1882, Nos. 161 and 165 Pearl Street; and April 6, 1883, Hotel Berkeley, the fact was demonstrated that to place the department on a permanent basis in the city proper would be for the best interests of the Insurance Companies. Therefore upon the above date the organization of the department was changed by the appointing of eight (8) permanent men, "four to each company," since which time the efficiency of the department has been improved.

The expenses of the department have been increased, owing to the above change in the organization, and the purchasing of one hundred (100) covers, which was necessary owing to the large quantity that the department have been obliged to spread at fires, also to the purchasing of a new wagon for the superintendent, and a new pung for Company No. 2.

Four (4) covers were destroyed at the fire 101 and 103 West Canton Street, Sept. 12, 1883, owing to the side wall of brick

building falling on to the frame ell of the adjoining dwelling and burying the covers.

In conclusion, I desire to express my sincere thanks to the President, James Sword, Esq., and the Board of Directors, for their uniform kindness and coöperation, and also to the officers and members of this department for their promptness in the faithful discharge of their duties; also to the Board of Fire Commissioners, Chief Engineer Green and Assistant Engineers, Superintendent Flanders of the Fire Alarm Department, and all the officers and members of the Boston Fire Department, together with the officers and members of the Boston Police Department, also reporters, for their courtesies and assistance at fires.

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Supt. and Fire Marshal.*



# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 37; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	47	Engineer . . . . .	12 Cedar Street . . . . .	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	34	Fireman . . . . .	13 No. Bennett Street . . . . .	12	" "
Driver.	G. W. Thompson . . . . .	48	Driver . . . . .	10 McLean Court . . . . .	13	" "
Asst. Driver.	M. I. Tully . . . . .	28	Driver . . . . .	84 Cherry Street, B. H. . . . .	22	" "
Patrolman.	D. W. Brown . . . . .	32	Clerk . . . . .	49 Chamber Street . . . . .	41	" "
"	J. H. Jacobs . . . . .	26	Clerk . . . . .	5 Hamilton Street . . . . .	16	" "
"	A. T. Osborne . . . . .	27	Machinist . . . . .	15 Pine Street . . . . .	21	" "
"	J. W. Sweetser . . . . .	33	Iron Worker . . . . .	9 Decatur Court, C. D. . . . .	40	" "
"	P. E. Chase . . . . .	33	Carpenter . . . . .	172 Summer Street, E. B. . . . .	20	" "
"	C. Schwarm . . . . .	26	Wood Carver . . . . .	289 Silver Street, So. B. . . . .	14	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . . .	53	Caulker . . . . .	22 Paris Street, E. B. . . . .	17	East Boston.
"	A. T. Hall . . . . .	29	Ship Joiner . . . . .	27 Trenton Street, C. D. . . . .	18	Charlestown.

## PROMOTED FROM CALL TO PERMANENT.

A. T. Osborne, May 10th, 1883.  
J. W. Sweetser, May 10th, 1883.  
C. Schwarm, Jan. 15th, 1884.

## RESIGNED.

W. E. Wright, Jan. 1st, 1884.

## APPOINTED.

M. I. Tully, May 10th, 1883, Permanent.  
A. F. Hall, May 10th, 1883, Callman.  
P. E. Chase, May 11th, 1883, Permanent.



COMPANY NO. 2. No. 11 Pine St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff	37	Mason	78 Carver Street	37	Company Quarters.
Lieutenant.	M. F. Packard	40	Mason	48½ Shawmut Avenue	38	"
Driver.	I. M. Hutchins.	38	Foreman of Contractors	20 Gray Street	26	"
Asst. Driver.	C. H. Cushing	36	Driver	11 Pine Street	23	"
Patrolman.	J. L. Huff	33	Mason	258 Harrison Avenue	25	"
"	H. S. Kendall	37	Painter	17 Dwight Street	24	"
"	J. C. Bense	35	Mason	11 Pine Street	27	"
"	S. W. Ronimus	28	Paper Hanger	11 Pine Street	28	"
"	G. H. Carter	35	Porter	11 Pine Street	29	"

CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	F. O. Hinckley	24	Clockmaker	29 Clarence Street, B. H.	30	Boston Highlands.
"	F. C. Byrnes	26	Expressman	39 B Street, So. B.	31	South Boston.
"	B. C. Bird	54	Janitor	Highland Street	32	Dorchester.
"	G. W. Dalton	43	Blacksmith	Temple Street	33	Dorchester.
"	W. H. Keenan	31	Clerk	Brookside Avenue	34	West Roxbury.
"	S. A. Coombs	44	Thsmith	Rockland Street	35	Brighton.

PROMOTED  
FROM CALL TO PERMANENT.

J. C. Bense, May 10th, 1883.  
S. W. Ronimus, May 10th, 1883.  
G. H. Carter, May 10th, 1883.

RESIGNED.

M. Regal, May 10th, 1883.  
G. F. Williams, May 10th, 1883.

APPOINTED.

C. H. Cushing, May 11th, 1883.  
F. C. Byrnes, Jan. 15th, 1884.

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Insurance and Loss, for the year ending March 1, 1884.

MONTHS.	Alarms.			Extinguishers Used.			Dur. of Serv.		Buildings.		Contents.		Losses Not Insured.		Total.			
	Bell.	Still.	Automatic.	Covers Spread.	Hours.	Minutes.	Extra Hours Duty of Watchmen.	Insurance.	Loss.	Insurance.		Loss.	Building.	Contents.	Insurance.	Total.		
March, 1883.	47	4	0	1	52	119	8	93	00	116	\$352,795.00	\$11,578.22	\$208,525.00	\$53,188.69	\$4,466.00	\$6,665.88	\$561,320.00	\$75,898.79
April, "	42	6	1	0	49	454	6	61	10	430 <sup>1</sup>	373,900.00	31,850.58	227,420.00	57,548.79	.	18,931.25	601,320.00	105,330.62
May, "	38	7	2	1	48	168	4	66	15	470	232,400.00	43,981.54	192,550.00	41,314.26	385.00	11,540.00	424,950.00	97,220.80
June, "	36	4	0	0	40	402	12	74	20	159 <sup>1</sup>	380,824.00	31,963.10	433,913.00	58,695.45	6,797.00	36,794.28	814,737.00	134,249.83
July, "	42	3	4	0	49	148	5	68	00	80 <sup>1</sup>	189,590.00	13,857.40	107,415.00	14,279.98	540.40	7,305.49	297,005.00	35,983.27
August, "	55	10	3	0	68	219	5	88	45	84 <sup>1</sup>	364,050.00	25,328.33	124,950.00	44,105.42	1,137.00	3,858.88	489,000.00	74,429.63
Sept., "	61	7	4	2	74	246	6	102	55	71 <sup>1</sup>	473,700.00	28,771.02	189,540.00	20,668.58	519.45	11,100.00	663,240.00	61,059.90
Oct., "	42	4	4	1	51	319	8	64	15	58 <sup>1</sup>	187,111.33 <sup>1</sup>	9,996.79	219,711.31 <sup>1</sup>	31,932.11	913.00	1,925.00	406,822.65	44,766.90
Nov., "	36	8	3	0	47	209	11	76	15	75 <sup>1</sup>	271,900.00	46,561.50	145,125.00	52,731.25	700.00	44,994.64	417,025.00	144,987.39
Dec., "	54	10	2	1	67	218	8	123	10	58 <sup>1</sup>	375,016.40	65,262.48	235,000.10	85,712.59	7,095.25	41,655.14	610,016.50	199,725.46
Jan., 1884.	44	14	0	4	62	285	16	78	55	232 <sup>1</sup>	425,350.00	12,589.61	366,148.00	24,168.40	655.00	4,415.00	791,498.00	41,828.01
Feb., "	35	4	1	1	41	161	2	69	50	111 <sup>1</sup>	206,250.00	11,603.50	704,224.00	34,488.52	.	1,195.00	910,474.00	47,287.02
Total . . .	532	81	24	11	648	2948	91	966	50	2479 <sup>1</sup>	\$3,832,886.73 <sup>1</sup>	\$333,344.07	\$3,154,521.41 <sup>1</sup>	\$518,834.04	\$23,208.10	\$190,380.56	\$6,987,408.15	\$1,065,766.77
Comparison of Aggregates of Fires, Insurance, and Losses for four years.																		
Total Loss.																		
March 1, 1880, to March 1, 1881	.	.	.	.	.	.	.	.	.	.	587	1596	\$6,009,756.00	\$1,056,468.00	Loss not Ins.			
March 1, 1881, to March 1, 1882	.	.	.	.	.	.	.	.	.	.	521	1364	3,820,714.11	535,805.72	\$57,863.83			
March 1, 1882, to March 1, 1883	.	.	.	.	.	.	.	.	.	.	510	1910	5,238,124.83	860,619.38	116,968.84			
March 1, 1883, to March 1, 1884	.	.	.	.	.	.	.	.	.	.	648	2948	6,987,408.15	1,065,766.77	213,588.06			
Comparison of Losses to Companies, and Premiums Received.																		
Total Loss.																		
Date.	Loss on Buildings. Loss on Contents. Total Loss to Ins. Co's. Premiums Received.																	
January 1, 1881, to December 31, 1881	.	.	.	.	.	.	.	.	.	.	\$115,819.24	\$297,298.50	\$413,117.74	\$1,644,114.77				
January 1, 1882, to December 31, 1882	.	.	.	.	.	.	.	.	.	.	154,721.18	558,451.03	713,172.21	1,796,472.35				
January 1, 1883, to December 31, 1883	.	.	.	.	.	.	.	.	.	.	339,095.75	563,739.21	902,834.96	2,079,628.04				

For losses not settled, see Monthly Report of February, 1884.

## CAUSES OF FIRES AND ALARMS.

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Alarms, false . . . . .	44
,, needless . . . . .	22
Assistance, calls for . . . . .	2
Ashes, hot, placed in wooden receptacles . . . . .	14
,, ,, from pipes . . . . .	12
,, ,, placed on the floor . . . . .	1
Attempting to thaw out water pipes . . . . .	13
Boiling over of fat in kettles . . . . .	5
,, ,, tar ,, ,, . . . . .	4
,, ,, oil ,, ,, . . . . .	1
,, ,, wax ,, ,, . . . . .	1
,, ,, varnish ,, ,, . . . . .	1
Brush fires . . . . .	41
Candles . . . . .	3
Candle, curtains igniting from a lighted . . . . .	1
,, mattress ,, ,, ,, . . . . .	1
Children setting fires . . . . .	1
Cigar stubs lighted, thrown into a wooden spittoon filled with sawdust . . . . .	3
Chimney fires . . . . .	13
Chimney hole, woodwork too near . . . . .	5
Cigarette on a lounge, dropping a lighted . . . . .	1
Coffee, in a wooden receptacle, putting burnt . . . . .	1
,, in a cooler, putting burnt . . . . .	1
Defective fireplace . . . . .	2
,, set boiler hearth . . . . .	1
,, set boiler . . . . .	1
,, ,, range . . . . .	1
,, ,, furnace . . . . .	1
,, chimneys . . . . .	11
,, soapstone heater . . . . .	1
,, slip kiln . . . . .	1
,, oil tank . . . . .	1
,, oven . . . . .	1
Explosion . . . . .	1
,, of chemicals . . . . .	1
Electric light wires . . . . .	4
Fires, rekindling of . . . . .	2
Firecrackers . . . . .	2
Fireworks . . . . .	1
Fire-pot, plumber's . . . . .	1

Friction of knife and cloth . . . . .	2
Gas jet igniting curtains . . . . .	13
"  "  "  goods in window . . . . .	1
"  "  "  woodwork . . . . .	1
"  "  "  lumber in dry house . . . . .	1
"  "  "  evergreen . . . . .	1
leakage, attempting to find . . . . .	3
stove, upsetting a . . . . .	1
Hot metal . . . . .	2
flatiron . . . . .	1
Incendiary, supposed . . . . .	64
Kerosene-oil lamp, throwing a lighted . . . . .	1
Kerosene-oil lamps, explosion of . . . . .	17
"  "  "  upsetting of . . . . .	19
"  oil, attempting to kindle a fire with . . . . .	2
"  "  stove, attempting to fill a lighted . . . . .	1
"  "  "  upsetting of a . . . . .	2
"  "  "  explosion of a . . . . .	4
Lightning . . . . .	1
Lime slacking . . . . .	1
Matches, children playing with . . . . .	37
"  igniting curtains . . . . .	3
"  thrown on closet floor . . . . .	9
"  "  "  a bale of paper . . . . .	1
"  "  "  curled hair . . . . .	1
"  "  "  cotton batting . . . . .	1
"  "  "  waste paper in water closet . . . . .	4
"  "  "  rubbish . . . . .	9
"  "  "  floor . . . . .	10
"  "  in waste-paper basket . . . . .	4
"  spark from parlor . . . . .	4
"  in a case . . . . .	1
"  in a drawer . . . . .	1
"  and rats . . . . .	9
Nitric acid . . . . .	1
Overheated hot-air pipe . . . . .	6
"  stoves . . . . .	10
"  stove funnels . . . . .	3
"  journals . . . . .	5
"  chimney . . . . .	1
"  boiler . . . . .	1
Rags in funnel hole . . . . .	1
Spontaneous combustion . . . . .	7
"  "  of oily waste . . . . .	4
"  "  "  "  rags . . . . .	19
Sparks from chimneys . . . . .	11
"  "  picking machine . . . . .	4
"  "  furnace fire . . . . .	1

Sparks from forge . . . . .	4
„ „ stationary engine . . . . .	1
„ „ fire box . . . . .	6
„ „ a stove . . . . .	1
„ „ a locomotive . . . . .	5
Spermaeeti, spattering on a hot stove . . . . .	1
Second alarms . . . . .	2
Stove, upsetting of . . . . .	2
„ clothing igniting from a hot . . . . .	2
Sulphuric acid . . . . .	1
Unknown . . . . .	85
Vapor from alcohol . . . . .	1
„ „ naphtha . . . . .	7
„ „ benzine . . . . .	2
„ „ kerosene oil . . . . .	1
Total . . . . .	<hr/> 648



TREASURER'S  
RECEIPTS AND EXPENDITURES OF THE BOSTON

1883.		
March 12.	By Cash on hand, Balance . . . . .	\$7,594.19
	Balance of Assessment ( Jan. 1, 1883 ), collected . .	4,001.04
	Six Months' Assessment, to July 1, 1883 . . . .	18,445.95
	Six Months' Assessment, to Jan. 1, 1884 . . . .	19,850.41
	Interest, Eliot National Bank . . . . .	125.66
		<hr/> \$50,017.25

\$50,017.25

NET RUNNING EXPENSES.

March, 1876, to March, 1877	\$27,311.72
March, 1877, to March, 1878	26,922.86
March, 1878, to March, 1879	23,975.96
March, 1879, to March, 1880	25,733.80
March, 1880, to March, 1881	28,288.46
March, 1881, to March, 1882	26,593.69
March, 1882, to March, 1883	26,399.49
March, 1883, to March, 1884	35,177.68



## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1884.

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To Cash paid:—	
Pay Roll. . . . .	\$22,847.69
Rent and Taxes . . . . .	2,560.50
Hay and Grain . . . . .	654.33
Wagon and Harness Repairs . . . . .	652.13
New Wagon, Pung and Harness . . . . .	553.00
Horse Shoeing . . . . .	226.31
Fuel . . . . .	216.65
Gas . . . . .	293.22
Supplies . . . . .	429.14
Washing . . . . .	210.34
Telephone Dispatch Co. . . . .	180.75
Telegraph and Repairs . . . . .	87.52
Fire Extinguishers . . . . .	100.85
Water Tax . . . . .	60.00
New Covers and Repairs . . . . .	2,764.37
Turkeys at Thanksgiving . . . . .	68.76
Sundries . . . . .	677.44
Advertising Annual Meeting . . . . .	37.13
Secretary and Boy, Rent of Rooms and Sundries	1,035.91
Printing and Stationery . . . . .	829.64
Treasurer . . . . .	600.00
Directors' Meetings . . . . .	92.00
	<hr/>
	\$35,177.68
Balance due, Assessment Jan. 1, 1884 . . . . .	949.28
Balance, Cash on hand . . . . .	13,890.29
	<hr/>
	\$50,017.25

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E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 12, 1885.

Audited and found correct to date.

*Signed,*

P. E. EDDY,	} <i>Auditing Committee.</i>
F. H. STEVENS,	

FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF THE DAY, FROM MARCH 1, 1883, TO MARCH 1, 1884.

Months.			Days of the Week.		Days of the Month.		Hours of the Day.		
March,	1883.	52	Monday . . .	88	1	19	6 to 7 A. M.	11	
					2	19	7 " 8 "	12	
					3	20	8 " 9 "	20	
April,	"	49	Tuesday . . .	107	4	28	9 " 10 "	25	
					5	32	10 " 11 "	24	
					6	32	11 " 12 noon.	24	
May,	"	48	Wednesday . .	101	7	32	12 " 1 P. M.	29	
					8	25	1 " 2 "	23	
					9	18	2 " 3 "	38	
June,	"	40	Thursday . .	84	10	17	3 " 4 "	39	
					11	26	4 " 5 "	31	
					12	15	5 " 6 "	40	
July,	"	49	Friday . . .	98	13	19	6 " 7 "	46	
					14	15	7 " 8 "	49	
					15	18	8 " 9 "	45	
August,	"	68	Saturday . .	88	16	19	9 " 10 "	36	
					17	19	10 " 11 "	28	
					18	20	11 " 12 night.	31	
September,	"	74	Sunday . . .	82	19	18	12 " 1 A. M.	20	
					20	25	1 " 2 "	23	
					21	17	2 " 3 "	21	
October,	"	51			22	23	3 " 4 "	13	
					23	27	4 " 5 "	10	
					24	15	5 " 6 "	10	
November,	"	47			25	19			
					26	28			
					27	21			
December,	"	67			28	18			
					29	17			
January, 1884.	62				30	13			
					31	14			
February,	"	41							
Total . .	648			648		648			648

DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	347
Boston Highlands . . . . .	63
Charlestown . . . . .	46
East Boston . . . . .	51
South Boston . . . . .	50
Dorchester . . . . .	38
West Roxbury . . . . .	33
Brighton . . . . .	18
Chelsea . . . . .	1
Cambridge . . . . .	1



## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by treasurer, Edward A. White, to sick and disabled members of the Boston Protective Department during the year:—

Captain	Dexter R. Dearing,	Mar. 20 . . . . .	\$57.50
Patrolman	D. W. Brown,	Mar. 20 . . . . .	10.00
Callman	Moses Regal,	May 16 . . . . .	11.25
„	„ „	July 18 . . . . .	1.50
Patrolman	H. S. Kendall,	July 18 . . . . .	17.65
„	P. E. Chase,	Dec. 3 . . . . .	8.00
„	Geo. H. Carter,	Dec. 3 . . . . .	6.00
Driver	Geo. W. Thompson,	Dec. 3 . . . . .	5.00
Patrolman	Geo. H. Carter,	Jan. 16 . . . . .	62.00
„	„ „	Feb. 26 . . . . .	12.00
„	J. C. Bense,	Feb. 26 . . . . .	21.00
Total . . . . .			<u>\$211.90</u>











ELEVENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1884, TO MARCH 1, 1885.

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BOSTON:  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1885.



ELEVENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1884, TO MARCH 1, 1885.

---

COMPLIMENTS OF

Samuel Abbott, Jr.

SUPT. AND FIRE MARSHAL.

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## ORGANIZATION.

OFFICERS AND DIRECTORS OF THE BOSTON PROTECTIVE  
DEPARTMENT.

<i>President</i> . . . . .	JAMES SWORDS.
<i>Vice President</i> . . . . .	J. EDWARD HOLLIS.
<i>Treasurer</i> . . . . .	CHAS. E. GUILD.
<i>Secretary</i> . . . . .	OSBORNE HOWES, JR.

*Directors.*

Terms expiring March, 1885.

JAMES SWORDS. F. E. SWEETSER.  
GEORGE R. ROGERS.

Terms expiring March, 1886.

CHAS. E. GUILD. N. FOSTER, JR.  
B. B. WHITTEMORE.

Terms expiring March, 1887.

J. EDWARD HOLLIS. H. C. BIGELOW.  
H. V. FREEMAN.

*Finance Committee.*

CHAS. E. GUILD. F. E. SWEETSER.  
J. EDWARD HOLLIS.

*Committee on Appointments and Discharges.*

JAMES SWORDS. H. V. FREEMAN.  
GEORGE R. ROGERS.

*Auditing Committee.*

P. E. EDDY. JOHN T. CHEPPU.  
HAMMOND VINTON.

## REPORT OF DIRECTORS.

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The Directors of the Boston Protective Department, in submitting to the members this, their eleventh annual report, wish to congratulate the corporation on the admirable efficiency of the active force of the department. The change made a little more than a year ago in reorganizing the two companies so that the men serving in the city proper should be permanently employed, has been in every way advantageous, verifying the anticipations of the Directors as expressed in their last annual report. Although, as will appear from the report of the Superintendent, the fire losses of last year were larger than those of the preceding twelve months, this was due to circumstances over which this department had no control; but it may be safely said that the partial or complete destruction of property would have been very much greater if it had not been for the vigilance and energy of the members of this corps.

At a fire on India Square on the evening of March 8th, one of the permanent members of Company No. 1, James W. Sweetser, was killed by the falling of a ladder. This was the first fatal accident that has occurred since the organization of the department. Permanent man Sweetser was one of the oldest members of the force, having been connected with the department before it became an incorporated institution. He was an efficient and faithful member, and his sudden death is a painful illustration of the risks to which a faithful discharge of duty subjects the active members of this force.

In accordance with the regular custom, the Directors would recommend that the active service of the department be continued for another year, and that the Board of Directors be authorized to expend during the coming year a sum not exceeding \$40,000.

For the Directors,

JAMES SWORDS,

*President.*

## SUPERINTENDENT AND FIRE MARSHAL'S REPORT.

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HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., No. 5 HAMILTON ST. }

BOSTON, March 1, 1885.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT.

GENTLEMEN: I herewith submit the Eleventh Annual Report of this Department, for the year ending March 1, 1885.

The report embraces, in the annexed tables, the roster of the officers and members of the department; resignations, discharges, and appointments; a monthly statement of alarms of fires, and duty performed by the department, together with the amount of insurance and loss on buildings and contents, a classification of covers spread, the districts where the alarms of fires were given, the causes of fires and alarms, a comparison of losses and premiums received, a statement of inspection of buildings and contents, together with a schedule of property belonging to the department; a statement of benefits paid to members of this department from the Boston Firemen's Relief Fund, also from the Boston Protective Department Mutual Relief Association, on account of sickness.

The organization of the department continues the same as last year.

Four (4) covers were destroyed at the Bay State Sugar Refinery fire on Eastern Avenue, January 18, 1885.

Immediately after the Balderston & Daggett fire at Nos. 152 to 156 Congress Street, June 12, 1884, a system of inspection of the contents in buildings was established, with what result the report on Inspection of Buildings and Contents will show. It is intended that reports of inspections will be kept at this headquarters as information for Underwriters.



At the monthly meeting of the Directors, held in August, 1884, they voted to pay the expenses of the Superintendent to attend the Twelfth Annual Convention of the National Association of Fire Engineers of the United States, held at Chicago, Ill., Sept. 9 to 13 inclusive, 1884; in order to gain information and to see what improvements had been introduced for the prevention and extinguishment of fires; as well as the protection of goods at fires.

In conclusion, I desire to express my sincere thanks to the President, James Swords, Esq., and the Board of Directors, for their uniform kindness and co-operation, and also to the officers and members of this department for their promptness in the faithful discharge of their duties; also to the Board of Fire Commissioners, Chief Engineer Webber and Assistant Engineers, Superintendent Flanders of the Fire Alarm Department, and all the officers and members of the Boston Fire Department, together with the officers and members of the Boston Police Department, and to reporters, for their courtesies and assistance at fires.

Respectfully submitted,

SAMUEL ABBOTT, JR.

*Supt. and Fire Marshal.*

# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 38; RESIDENCE, 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	48	Engineer . . . . .	12 Cedar Street . . . . .	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	35	Fireman . . . . .	13 No. Bennett Street . . . .	12	"
Driver.	G. W. Thompson . . . . .	49	Driver . . . . .	10 McLean Court . . . . .	13	"
Asst. Driver.	M. I. Tully . . . . .	29	Driver . . . . .	84 Cherry Street, B. H. . . .	22	"
Patrolman.	D. W. Brown . . . . .	33	Clerk . . . . .	53 Chamber Street . . . . .	41	"
"	A. T. Osborne . . . . .	28	Machinist . . . . .	15 Pine Street . . . . .	21	"
"	J. W. Sweetser . . . . .	34	Iron Worker . . . . .	9 Decatur Court, C. D. . . .	40	"
"	P. E. Chase . . . . .	34	Carpenter . . . . .	19 Meridian Street, E. B. . .	20	"
"	C. Schwarm . . . . .	27	Wood Carver . . . . .	21 Oak Street . . . . .	14	"

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . . .	54	Calker . . . . .	22 Paris Street, E. B. . . .	17	East Boston.
"	A. T. Hall . . . . .	30	Ship Joiner . . . . .	27 Trenton Street, C. D. . .	18	Charlestown.

## DISHONORABLY DISCHARGED.

James H. Jacobs, January 14th, 1885.

## COMPANY No. 2. No. 16 Broadway Extension. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff . . . . .	38	Mason . . . . .	8 Oak Street . . . . .	37	Company Quarters.
Lieutenant.	M. F. Packard . . . . .	41	Mason . . . . .	48½ Shawmut Avenue . . . . .	38	" "
Driver.	L. M. Hutchins . . . . .	39	Foreman of Contractors . . . . .	47 Gray Street . . . . .	26	" "
Asst. Driver.	C. H. Cushing . . . . .	37	Driver . . . . .	11 Pine Street . . . . .	23	" "
Patrolman.	J. L. Huff . . . . .	34	Mason . . . . .	258 Harrison Avenue . . . . .	25	" "
"	H. S. Kendall . . . . .	38	Painter . . . . .	21 Oak Street . . . . .	24	" "
"	J. C. Bense . . . . .	36	Mason . . . . .	11 Pine Street . . . . .	27	" "
"	S. W. Ronimus . . . . .	29	Paper Hanger . . . . .	125 Pleasant Street . . . . .	28	" "
"	G. H. Carter . . . . .	36	Porter . . . . .	11 Pine Street . . . . .	29	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	F. O. Hinckley . . . . .	25	Clockmaker . . . . .	29 Clarence Street, B. H. . . . .	30	Boston Highlands.
"	F. C. Byrnes . . . . .	27	Expressman . . . . .	39 B Street, So. B. . . . .	31	South Boston.
"	B. C. Bird . . . . .	55	Janitor . . . . .	Highland Street . . . . .	32	Dorchester.
"	G. W. Dalton . . . . .	44	Blacksmith . . . . .	Temple Street . . . . .	33	Dorchester.
"	W. H. Keenan . . . . .	32	Clerk . . . . .	Brookside Avenue . . . . .	34	West Roxbury.
"	John J. McCarthy . . . . .	32	Clerk . . . . .	Winship Street . . . . .	35	Brighton.

## APPOINTED.

John J. McCarthy,

November 13th, 1884.

## RESIGNED.

S. A. Coombs,

October 9th, 1884.

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Insurance and Loss, for the year ending March 1, 1885.

MONTHS.	Alarms.				Extinguishers Used.	Fire Duty.		Watch Duty.		Buildings.		Contents.		Losses Not Insured.		Total.
	Bell.	Still.	Automatic.	Ext'd by Oc.		Hours.	Minutes.	Insurance.	Loss.	Insurance.	Loss.	Building.	Contents.	Insurance.	Loss.	
March, 1884.	28	7	1	2	38	34 05	44	\$168,349.00	\$6489.53	\$125,801.00	\$40,547.17	\$400.00	\$7,122.48	\$324,150.00	\$54,559.18	
April, "	25	3	2	1	31	25 55	82 1/2	68,700.00	3,273.09	132,950.00	14,726.10		125.00	201,650.00	18,124.19	
May, "	35	11	2	1	49	38 30	83 1/2	262,607.75	5,260.76	272,325.00	53,530.65	1,000.00	6,875.27	534,932.75	66,606.68	
June, "	55	7	0	0	62	455 17	73 30	406,201.15	24,937.59	1,003,825.00	307,116.84	2,949.50	1,220.00	1,410,026.15	336,223.93	
July, "	49	6	1	1	57	207 13	72 30	369,550.00	28,234.78	705,075.00	77,994.90	1,150.00	12,185.00	1,074,625.00	119,564.68	
August, "	37	7	0	0	44	311 3	46 05	131,300.00	20,236.03	295,925.00	78,437.48		4,231.34	337,225.00	102,904.85	
Sept., "	46	2	0	0	48	123 5	61 30	160,380.00	9,729.99	274,450.00	39,967.54	10,565.00	9,025.00	434,830.00	69,287.53	
Oct., "	44	4	1	1	50	65 4	43 45	144,483.33	2,867.95	29,275.00	5,877.43	500.00	1,760.00	173,758.33	11,005.38	
Nov., "	49	12	1	0	62	124 8	43 15	276,350.00	10,683.61	97,537.00	6,072.06	1,263.00	505.00	373,887.00	18,623.67	
Dec., "	64	23	1	2	90	371 3	83 20	609,318.70	37,910.76	291,186.75	65,456.69	7,957.90	35,633.33	900,505.45	146,958.68	
Jan., 1885.	54	15	1	0	70	250 7	71 00	343,204.00	49,768.99	525,171.56	231,867.44	415.00	1,300.00	868,375.56	283,351.43	
Feb., "	37	8	2	0	47	69 4	30 00	214,466.00	7,412.67	30,800.00	10,005.49	250.00	165.00	245,266.00	17,833.16	
Total . . .	523	105	12	8	648	2338 78	622 55	\$3,154,909.93	\$206,805.75	\$3,724,321.31	\$931,599.79	\$26,450.40	\$80,147.42	\$6,879,231.24	\$1,245,003.36	

## Comparison of Aggregates of Fires, Insurance, and Losses for five years.

	Fires.	Covers Spread.	Insurance.	Total Loss.	Loss not Ins.
March 1, 1880, to March 1, 1881	587	1596	\$6,009,756.00	\$1,056,468.00	\$57,863.83
March 1, 1881, to March 1, 1882	521	1364	3,820,714.11	535,805.72	116,968.84
March 1, 1882, to March 1, 1883	510	1910	5,238,124.83	860,619.38	213,588.66
March 1, 1883, to March 1, 1884	648	2948	6,987,408.15	1,065,766.77	106,597.82
March 1, 1884, to March 1, 1885	648	2338	6,879,231.24	1,245,003.36	

## Comparison of Losses to Companies, and Premiums Received.

	Loss on Buildings.		Loss on Contents.		Total Loss to Ins. Co.		Premiums Received.
	Buildings.	Contents.	Buildings.	Contents.	Buildings.	Contents.	
January 1, 1881, to December 31, 1881	\$ 115,819.24	\$ 297,298.50	\$ 413,117.74	\$ 1,644,114.77	\$ 1,644,114.77	\$ 1,644,114.77	
January 1, 1882, to December 31, 1882	154,721.18	558,451.03	713,172.21	1,796,472.35	1,796,472.35	1,796,472.35	
January 1, 1883, to December 31, 1883	339,095.75	563,739.21	902,834.96	2,079,628.04	2,079,628.04	2,079,628.04	
January 1, 1884, to December 31, 1884	173,817.20	748,383.78	922,200.98	2,167,095.94	2,167,095.94	2,167,095.94	

For losses not settled see Monthly Reports.



## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1884, TO MARCH 1, 1885.

Months.			Days of the Week.		Days of the Month.		Hours of the day.		
March,	1884.	38	Monday . . .	93	1	15	6 to 7 A. M.	10	
					2	25	7 " 8 "	21	
					3	29	8 " 9 "	22	
April,	"	31	Tuesday . . .	89	4	34	9 " 10 "	23	
					5	21	10 " 11 "	26	
					6	15	11 " 12 noon.	28	
May,	"	49	Wednesday . .	98	7	15	12 " 1 P. M.	22	
					8	28	1 " 2 "	33	
					9	20	2 " 3 "	27	
June,	"	62	Thursday . . .	90	10	24	3 " 4 "	28	
					11	19	4 " 5 "	34	
					12	16	5 " 6 "	42	
July,	"	57	Friday . . .	100	13	13	6 " 7 "	37	
					14	26	7 " 8 "	50	
					15	20	8 " 9 "	45	
August,	"	44	Saturday . . .	93	16	20	9 " 10 "	49	
					17	16	10 " 11 "	40	
					18	29	11 " 12 midn.	17	
September	"	48	Sunday . . .	85	19	17	12 " 1 A. M.	20	
					20	40	1 " 2 "	15	
					21	22	2 " 3 "	16	
October,	"	50			22	22	3 " 4 "	16	
					23	22	4 " 5 "	17	
					24	18	5 " 6 "	10	
November,	"	62			25	23			
					26	18			
					27	8			
December,	"	90			28	23			
					29	19			
					30	21			
January, 1885.		70			31	10			
February,	"	47							
Total . .		648		648		648			648

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	362
Boston Highlands . . . . .	70
Charlestown . . . . .	42
East Boston . . . . .	44
South Boston . . . . .	51
Dorchester . . . . .	47
West Roxbury . . . . .	12
Brighton . . . . .	16
Chelsea . . . . .	1
Cambridge . . . . .	2
Somerville . . . . .	1
Total	648

## CAUSES OF FIRES AND ALARMS.

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Alarms, false . . . . .	49
„ needless . . . . .	23
Assistance, calls for . . . . .	7
Ashes, hot, placed in wooden receptacles . . . . .	5
„ „ from pipes . . . . .	6
Attempting to thaw out water-pipes . . . . .	21
„ „ burn off paint . . . . .	1
Boiling over of fat in kettles . . . . .	5
„ „ „ tar „ „ . . . . .	3
„ „ „ wax „ „ . . . . .	2
Brush fires . . . . .	7
Candles . . . . .	7
Candle, curtain ignited from a lighted . . . . .	1
Children setting fires . . . . .	2
Cigar stubs lighted, thrown into a wooden spittoon filled with sawdust . . . . .	3
„ „ „ „ on awnings . . . . .	3
„ „ „ „ on cotton . . . . .	1
Chimney fires . . . . .	17
„ hole, woodwork too near . . . . .	2
Cigarette, lighted . . . . .	1
Defective fireplace . . . . .	6
„ set boilers . . . . .	5
„ set furnace . . . . .	1
„ chimneys . . . . .	12
Dirt in register . . . . .	1
Explosions of boilers (steam) . . . . .	3
Electric-light wires . . . . .	3
Fires, rekindling of . . . . .	3
Firecrackers . . . . .	10
Fireworks . . . . .	3
Fire-pot . . . . .	3
Gas jet igniting curtains . . . . .	13
„ „ „ goods in window . . . . .	3
„ „ „ woodwork . . . . .	1
„ „ „ cases . . . . .	1
Gas leakage, attempting to find . . . . .	2
Gasoline stove, explosion . . . . .	1
Hot metal . . . . .	3
„ iron . . . . .	2

Incendiary, supposed . . . . .	57
Kerosene oil spilled in furnace . . . . .	1
"    "    lamps, explosion of . . . . .	16
"    "    "    breaking of . . . . .	33
"    "    "    igniting a curtain . . . . .	1
"    "    "    "    patterns . . . . .	1
"    "    "    "    clothing . . . . .	3
"    "    "    "    woodwork . . . . .	1
"    "    "    attempting to fill a lighted . . . . .	1
"    "    attempting to kindle a fire with . . . . .	3
"    "    stove, clothing igniting from a lighted . . . . .	1
"    "    "    upsetting of a lighted . . . . .	1
"    "    "    explosion of a . . . . .	3
Lightning . . . . .	1
Matches, children playing with . . . . .	29
"    igniting a curtain . . . . .	1
"    thrown on closet floor . . . . .	6
"    "    "    sawdust . . . . .	2
"    "    "    straw . . . . .	1
"    "    "    quilt . . . . .	1
"    "    in a pan of kerosene oil . . . . .	1
"    "    "    charcoal bin . . . . .	2
"    "    on excelsior . . . . .	1
"    "    "    waste paper . . . . .	4
"    "    "    rubbish . . . . .	12
"    "    "    floor . . . . .	5
"    "    in manger . . . . .	1
"    dog and . . . . .	1
"    rats and . . . . .	11
Nail in picking-machine . . . . .	1
Overheated hot-air pipes . . . . .	11
"    stoves . . . . .	12
"    stove funnels . . . . .	4
"    furnace . . . . .	4
"    journals . . . . .	3
"    chimneys . . . . .	3
"    glue kettle . . . . .	1
"    ovens . . . . .	2
"    steam pipes . . . . .	2
Paper in funnel hole . . . . .	1
Rags " " " . . . . .	1
Sawdust over a boiler . . . . .	1
Spontaneous Combustion . . . . .	10
"    "    of oily rags . . . . .	7
"    "    "    "    waste . . . . .	1
Sparks from chimneys . . . . .	14
"    "    dredging boat . . . . .	2



Sparks from under a tar kettle . . . . .	2
„ „ a forge . . . . .	3
„ „ a stationary engine . . . . .	1
„ „ a fire-box . . . . .	4
„ „ a stove . . . . .	1
„ „ a locomotive . . . . .	9
Second Alarms . . . . .	2
Stove, upsetting of a . . . . .	1
„ bursting of a water back in . . . . .	1
Torch, lighted . . . . .	2
Unknown . . . . .	94
Vapor from naphtha . . . . .	3
„ „ gasoline . . . . .	1
Turpentine on stove, spilling . . . . .	1
<hr/>	
Total . . . . .	648

# CLASSIFICATION OF COVERS SPREAD.

24 Fires of 1 Cover . . .	24	2 Fires of 25 Covers . . .	50
11 " " 2 Covers . . .	22	1 Fire " 26 " . . .	26
16 " " 3 " . . .	48	3 Fires " 28 " . . .	84
16 " " 4 " . . .	64	1 Fire " 29 " . . .	29
18 " " 5 " . . .	90	1 " " 31 " . . .	31
10 " " 6 " . . .	60	1 " " 32 " . . .	32
8 " " 7 " . . .	56	1 " " 34 " . . .	34
6 " " 8 " . . .	48	1 " " 35 " . . .	35
4 " " 9 " . . .	36	1 " " 49 " . . .	49
4 " " 10 " . . .	40	1 " " 56 " . . .	56
2 " " 11 " . . .	22	2 Fires " 62 " . . .	124
1 Fire " 12 " . . .	12	1 Fire " 63 " . . .	63
3 Fires " 13 " . . .	39	1 " " 65 " . . .	65
2 " " 14 " . . .	28	2 Fires " 79 " . . .	158
4 " " 15 " . . .	60	1 Fire " 92 " . . .	92
1 Fire " 16 " . . .	16	1 " " 93 " . . .	93
1 " " 17 " . . .	17	1 " " 121 " . . .	121
4 Fires " 18 " . . .	72	1 " " 140 " . . .	140
3 " " 19 " . . .	57	1 " " 157 " . . .	157
2 " " 21 " . . .	42		
2 " " 23 " . . .	46		
		Total . . . . .	2,338

## INSPECTION OF BUILDINGS AND CONTENTS.

---

Building unsafe owing to the floors settling . . . . .	1
Cases of difficulty in covering goods . . . . .	77
,, ,, blocking the stairways with goods . . . . .	5
,, ,, ,, ,, windows ,, ,, . . . . .	4
,, ,, using wooden ash-barrels . . . . .	3
,, ,, stoves being in a dangerous condition . . . . .	2
,, ,, elevator doors not being locked . . . . .	2
Case of careless use of a candle in a water-closet . . . . .	1
Premises inspected and found in good condition . . . . .	64

### REINSPECTION.

Have adopted the suggestions offered . . . . .	41
Stairways have been cleared of goods . . . . .	5
Windows ,, ,, ,, ,, ,, . . . . .	4
Iron ash-barrels have replaced wooden ones . . . . .	3
Stove has been protected by zinc . . . . .	1
,, ,, ,, removed . . . . .	1
Locks have been placed on the elevator doors . . . . .	2
The use of candle has been discontinued . . . . .	1
Removed from building . . . . .	2
Occupants have made no change since last inspection . . . . .	34
Total . . . . .	253

## SCHEDULE OF PROPERTY

OWNED BY THE DEPARTMENT AND CONTAINED IN HOUSES NOS. ONE AND  
TWO, AND IN THE OUTLYING DISTRICTS.

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Horses . . . . .	6
Wagons "complete," for men, covers, and tools . . . . .	2
Pungs " " " " " " " . . . . .	2
Wagons, for superintendent (1 unsafe) . . . . .	2
Sleighs, " " . . . . .	2
Rubber Covers . . . . .	428
Fire Extinguishers (2 unsafe) . . . . .	6
Life Saving Blankets . . . . .	2
Sets of Patent double harnesses, "new" . . . . .	2
" " " " " " " "old" . . . . .	2
Single harnesses . . . . .	3
Wagon Poles "extra" . . . . .	2
Wheels "extra" . . . . .	2
Whiffletrees "extra" . . . . .	5
Bedsteads with bedding . . . . .	23
Mantel Bedsteads with bedding . . . . .	2
Billiard Table, "complete" . . . . .	1
Necessary tools and equipments.	
" stable equipments.	
" extra parts of harnesses.	
" house furniture and fixtures.	
" telegraph apparatus.	
" gas fixtures.	
" supplies.	
" stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

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The following amounts have been paid by treasurer, H. S. Kendall, to sick and disabled members of the department during the year :

Patrolman S. A. Coombs,	Mar. 12, 1884	. . . . .	\$6.00
„ J. C. Bense,	Apr. 4, „	. . . . .	6.00
„ Geo. W. Dalton,	Sept. 29, „	. . . . .	6.00
„ „ „	Oct. 6, „	. . . . .	6.00
Lieutenant M. F. Packard,	Dec. 3, „	. . . . .	6.00
Patrolman W. H. Keenan,	Jan. 25, 1885	. . . . .	6.00
„ J. W. Sweetser,	Jan. 26, „	. . . . .	12.00
„ „ „	Feb. 5, „	. . . . .	9.42
„ H. S. Kendall,	Feb. 27, „	. . . . .	8.55
Total . . . . .			\$65.97



## TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

1884.		
March.	By Cash on hand, Balance . . . . .	\$13,890.29
	Balance of Assessment (Jan. 1, 1884), collected . . .	949.28
	Six Months' Assessment, to July 1, 1884 . . . . .	20,485.94
	Six Months' Assessment to Jan. 1, 1885 . . . . .	20,833.73
	Interest Eliot National Bank . . . . .	235.50
	Cash received for Watch Duty and use of Covers . . .	126.50
	Cash received for sale of stove . . . . .	8.00
		<hr/> \$56,529.24

\$56,529.24

NET RUNNING EXPENSES.

March, 1876, to March, 1877	\$27,311.72
March, 1877, to March, 1878	26,922.86
March, 1878, to March, 1879	23,975.96
March, 1879, to March, 1880	25,733.80
March, 1880, to March, 1881	28,288.46
March, 1881, to March, 1882	26,593.69
March, 1882, to March, 1883	26,399.49
March, 1883, to March, 1884	35,177.68
March, 1884, to March, 1885	35,253.10



## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1885.

To Cash paid:—

Pay Roll . . . . .	\$24,612.58
Rent and Taxes . . . . .	2,685.00
Hay and Grain . . . . .	677.64
Wagon and Harness Repairs . . . . .	1,270.21
Horse Shocing . . . . .	177.96
Pair of Horses . . . . .	625.00
Fuel . . . . .	275.70
Gas . . . . .	318.12
Supplies . . . . .	429.30
Furnishings and Repairs to Houses . . . . .	456.74
Washing . . . . .	198.32
Telephone Dispatch Co. . . . .	178.67
Telegraph and Repairs . . . . .	115.75
Fire Extinguishers . . . . .	14.09
Water Tax . . . . .	60.50
Turkeys at Thanksgiving . . . . .	75.84
Expenses of Superintendent to Chicago . . . . .	117.75
Sundries . . . . .	536.30
Advertising Annual Meeting . . . . .	34.32
Secretary and Boy, Rent of Rooms and Sundries. . . . .	950.40
Printing and Stationery . . . . .	888.41
Treasurer . . . . .	600.00
Directors' Meetings . . . . .	89.00
	<hr/> \$35,387.60
Balance due, Assessment Jan. 1, 1885 . . . . .	5,030.16
Balance, Cash on hand . . . . .	16,111.48
	<hr/> \$56,529.24

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 12, 1885.

Audited and found correct to date.

*Signed,*

HAMMOND VINTON, }  
 F. H. STEVENS, } *Auditing Committee.*





CEMENT

TWELFTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1885, TO MARCH 1, 1886.

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BOSTON :  
PRESS OF DELAND AND BARTA,  
54 PEARL STREET.  
1886.



TWELFTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1885, TO MARCH 1, 1886.

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COMPLIMENTS OF . . .

Samuel Abbott, Jr.,

SUPT. AND FIRE MARSHAL.



APR 23 1910

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4353.53  
cont.  
9 nos.

# OFFICERS.

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*President :*

JAMES SWORDS.

*Vice-President :*

J. EDWARD HOLLIS.

*Treasurer :*

CHAS. E. GUILD.

*Secretary :*

OSBORNE HOWES, JR.

*Directors :*

TO SERVE UNTIL MARCH, 1888.

GEORGE R. ROGERS.

JAMES SWORDS.

FRANK E. SWEETSER.

TO SERVE UNTIL MARCH, 1887.

N. FOSTER, JR.

J. EDWARD HOLLIS.

HORACE V. FREEMAN.

TO SERVE UNTIL MARCH, 1886.

CHAS. E. GUILD.

H. C. BIGELOW.

B. B. WHITTEMORE.



## REPORT OF DIRECTORS.

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Boston, March 20, 1886.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT :

*Gentlemen:* The Directors of the Protective Department beg leave to report, that the department during the last year has been maintained in its customary state of high efficiency. Some of the work performed has been of an important character, and has greatly lessened the losses which the insurance companies would otherwise have sustained. The report of the Superintendent, of the fires and losses during the year ending February 28, will be found in the following pages ; also the report of the Treasurer, of receipts and expenditures during a similar period. The directors have to recommend, —

First, that the active duties of the Boston Protective Department be continued for another year ; and

Second, that the Directors be authorized to expend a sum not exceeding \$40,000 during the next corporate year.

For the Directors.

JAMES SWORDS,  
*President.*



## SUPERINTENDENT AND FIRE MARSHAL'S REPORT.

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HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., NO. 5 HAMILTON ST. }

BOSTON, March 1, 1886.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT :

GENTLEMEN : — I herewith submit the Twelfth Annual Report of this department, for the year ending March 1, 1886.

The report embraces, in the annexed tables, the roster of the officers and members of the department, discharges, appointments, and promotions; a monthly statement of alarms of fires, and duty performed by the department, together with the amount of insurance and loss on buildings and contents; a comparison of aggregates of fires, insurance, and losses; also premiums received, a classification of covers spread, and a report of the fires where covers were destroyed; a classification of fires and alarms, in months, days of the week, days of the month, and hours of the day; the causes of fires and alarms, together with a schedule of property belonging to the department, a list of members injured, a statement of benefits paid to members of this department from the Boston Firemen's Relief Fund, also from the Boston Protective Department Mutual Relief Association on account of sickness; also a statement of the funds of the B. P. D. M. R. A. in the hands of the trustees.

The organization of the department was slightly changed on April 7, 1885, by the appointment of two permanent substitutes at a salary of seven hundred and twenty (\$720) dollars per annum.

The inspection of buildings and contents has been discontinued, owing to the establishing of a bureau of inspection by the Boston Tariff Association.

Sixty-nine (69) rubber covers have been destroyed at fires, and eight (8) have been condemned as being unfit to cover goods with. There have been fifty (50) rubber covers bought.

In conclusion, I desire to express my sincere thanks to the President, James Swords, Esq., and the Board of Directors, for their uniform kindness and co-operation, and also to the officers and members of this department for their promptness in the faithful discharge of their duties; also to the Board of Fire Commissioners, Chief Engineer Webber and Assistant Engineers, Superintendent Flanders of the Fire Alarm Department, and all the officers and members of the Boston Fire Department, together with the officers and members of the Boston Police Department, and to reporters, for their courtesies and assistance at all times.

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Supt. and Fire Marshal.*





# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 39; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	49	Engineer . . . . .	977 Washington Street . . .	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	36	Fireman . . . . .	2 Holden Row, C. D. . . .	12	" "
Driver.	G. W. Thompson . . . . .	50	Driver . . . . .	10 McLean Court . . . . .	13	" "
Ass't Driver.	M. I. Tully . . . . .	30	Driver . . . . .	84 Cherry Street, B. H. . .	22	" "
Patrolman.	D. W. Brown . . . . .	34	Clerk . . . . .	5 Asylum Street . . . . .	41	" "
"	A. T. Osborne . . . . .	29	Machinist . . . . .	15 Pine Street . . . . .	22	" "
"	C. Schwarn . . . . .	28	Wood Carver . . . . .	21 Oak Street . . . . .	14	" "
"	J. T. Fitzgerald . . . . .	26	Clerk . . . . .	44 Fayette Street . . . . .	16	" "
"	H. W. Kimball . . . . .	27	Clerk . . . . .	431 Bunker Hill Street, C. D.	40	" "
"	A. F. Hall . . . . .	31	Ship Joiner . . . . .	27 Trenton Street, C. D. . .	20	" "
Substitute.	J. J. McCarthy . . . . .	33	Clerk . . . . .	Winship Street, B. D. . . .	39	" "

## CALL FORCE.

Rank.	Name.	Age.	Occupation	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . . .	55	Calker . . . . .	22 Paris Street, E. B. . . .	17	East Boston.
"	C. H. Ferrier . . . . .	26	Clerk . . . . .	296 Main Street, C. D. . . .	18	Charlestown.
APPOINTED.				DISHONORABLY DISCHARGED.		
G. H. Perry, Permanent Substitute, April 7, 1885.	James T. Fitzgerald, from Substitute to Patrolman, Mar. 11, 1885.			P. E. Chase . . . . .		Oct. 5, 1885.
C. H. Ferrier, Callman for Charlestown, April 7, 1885.	H. W. Kimball, " Substitute " Patrolman, Mar. 11, 1885.			G. H. Perry . . . . .		Oct. 5, 1885.
	A. F. Hall, " Callman " Substitute, Apr. 7, 1885.					
	A. F. Hall, " Substitute " Patrolman, Oct. 20, 1885.					
	J. J. McCarthy, " Callman " Substitute, Oct. 21, 1885.					

## COMPANY NO. 2. NO. 16 Broadway Extension. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff . . . . .	39	Mason . . . . .	8 Oak Street . . . . .	37	Company Quarters.
Lieutenant.	M. F. Packard . . . . .	42	Mason . . . . .	48½ Shawmut Avenue . . . . .	38	" "
Driver.	I. M. Hutchins . . . . .	40	Foreman of Contractors . . . . .	20 Gray Street . . . . .	26	" "
Ass't Driver.	C. H. Cushing . . . . .	38	Driver . . . . .	11 Pine Street . . . . .	23	" "
Patrolman.	J. L. Huff . . . . .	35	Mason . . . . .	258 Harrison Avenue . . . . .	25	" "
"	H. S. Kendall . . . . .	39	Painter . . . . .	21 Oak Street . . . . .	24	" "
"	J. C. Bense . . . . .	37	Mason . . . . .	11 Pine Street . . . . .	27	" "
"	S. W. Ronimus . . . . .	32	Paper Hanger . . . . .	995 Washington Street . . . . .	28	" "
"	G. H. Carter . . . . .	37	Porter . . . . .	11 Pine Street . . . . .	29	" "
Substitute.	F. O. Hinckley . . . . .	26	Clockmaker . . . . .	11 Pine Street . . . . .	36	" "

## CALL FORCE.

Rank.	Name.	Age.	Occupation.	Residence	No. of Badge.	Assigned for Duty.
Callman.	P. M. Garcia . . . . .	29	Clockmaker . . . . .	198 Dudley Street . . . . .	30	Boston Highlands . .
"	F. C. Byrnes . . . . .	28	Expressman . . . . .	825 Fourth Street . . . . .	31	South Boston . . .
"	B. C. Bird . . . . .	56	Janitor . . . . .	Higland Street . . . . .	32	Dorchester . . . .
"	G. W. Dalton . . . . .	45	Blacksmith . . . . .	Washington Street . . . . .	33	Dorchester . . . .
"	W. H. Keenan . . . . .	33	Clerk . . . . .	3279 Washington Street . . . . .	34	West Roxbury . . .
"	H. E. Malone . . . . .	28	Butcher . . . . .	Church Street . . . . .	35	Brighton . . . . .

## APPOINTED.

P. M. Garcia, Callman, October 19, 1885.  
H. E. Malone, Callman, October 21, 1885.

## PROMOTIONS.

A. F. Hall, from Callman to Substitute, April 8, 1885.  
A. F. Hall, from Substitute to Patrolman, October 19, 1885, transferred to Company No. 1.  
F. O. Hinckley, from Callman to Substitute, October 19, 1885.  
J. J. McCarthy, from Callman to Substitute, October 21, 1885, transferred to Company No. 1.

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Insurance and Loss, for the year ending March 1, 1886.

MONTHS.	Alarms.			Extinguishers Used	Fire Duty		Watch Duty.	Roof Covers.	Buildings.		Contents.		Losses Not Insured.		Total.	
	Bell.	Still.	Automatic		Covers Spread.	Hours.			Minutes.	Insurance.	Loss.	Insurance.	Loss.	Building.		Contents.
March, 1885.	57	14	2	0	73	375	11	16	\$406,597.00	\$52,420.11	\$450,412.00	\$233,148.98	\$8,660.46	\$50,328.75	\$857,009.00	\$344,558.30
April, "	69	8	1	0	78	185	2	29	84,550.00	5,857.94	35,075.00	6,558.64	1,560.00	1,110.00	119,625.00	15,086.58
May, "	35	6	0	0	43	45	123	1-6	182,900.00	14,393.00	197,235.00	43,115.84	987.00	475.00	380,135.00	58,970.84
June, "	42	5	3	0	50	237	7	48	596,186.64	15,940.20	482,750.00	96,684.67	2,161.50	3,895.44	1,048,936.64	118,681.81
July, "	41	12	1	2	56	359	1	17	227,259.90	14,370.50	168,725.81	44,976.99	590.00	6,150.50	395,985.71	66,087.99
August, "	32	10	0	3	45	86	4	4	205,056.00	11,209.36	688,485.00	115,730.60	7,382.00	685.00	893,541.00	135,006.96
Sept., "	48	8	0	0	56	241	2	27	194,850.00	22,017.00	163,485.00	59,075.40	250.00	4,440.00	338,335.00	85,782.40
Oct., "	25	9	0	2	36	154	2	2	127,033.32	7,632.32	72,305.00	11,859.45	50.00	2,575.00	199,338.32	22,116.77
Nov., "	34	8	1	3	46	108	7	43	271,150.00	12,448.14	122,000.00	25,106.59	810.00	8,600.00	393,150.00	46,964.73
Dec., "	42	13	2	0	57	83	1	3	198,235.00	3,157.55	22,800.00	4,431.28	50.00	5,515.00	221,035.00	13,153.83
Jan'y, 1886.	53	13	2	0	68	273	9	84	360,981.73	15,098.35	513,799.37	107,195.86	500.00	29,391.63	874,781.10	152,185.84
Feb., "	45	16	2	0	63	104	2	19	307,300.00	8,216.00	237,500.00	11,848.26	225.00	2,200.00	544,800.00	22,489.26
Total . . .	523	122	14	10	669	2361	56	183	\$3,162,099.59	\$182,760.47	\$3,124,572.18	\$759,732.56	\$23,225.96	\$115,366.32	\$6,286,671.77	\$1,081,085.31
Comparison of Aggregates of Fires, Insurance, and Losses for six years.																
Fires.																
Covers Spread.																
Insurance.																
Total Loss.																
Loss not Insured.																
March 1, 1880, to March 1, 1881 . . . . . 587 \$6,009,756.00 \$1,056,468.00 \$57,863.83																
March 1, 1881, to March 1, 1882 . . . . . 521 3,820,714.11 535,805.72 116,968.84																
March 1, 1882, to March 1, 1883 . . . . . 510 5,238,124.83 860,619.38 213,588.66																
March 1, 1883, to March 1, 1884 . . . . . 648 6,987,408.15 1,065,766.77 106,597.82																
March 1, 1884, to March 1, 1885 . . . . . 2338 6,879,231.24 1,245,003.36 138,592.28																
March 1, 1885, to March 1, 1886 . . . . . 2361 6,286,671.77 1,081,085.31																
Comparison of Losses to Companies, and Premiums Received.																
Loss on Buildings.																
Loss on Contents.																
Total Loss to Ins. Co's.																
Premiums Received.																
January 1, 1881, to December 31, 1881 . . . . . \$115,819.24 \$297,298.50 \$413,117.74 \$1,644,114.77																
January 1, 1882, to December 31, 1882 . . . . . 154,721.18 558,451.03 713,172.21 1,796,472.35																
January 1, 1883, to December 31, 1883 . . . . . 339,096.75 563,739.21 902,834.96 2,079,628.04																
January 1, 1884, to December 31, 1884 . . . . . 173,817.20 748,383.78 922,200.98 2,167,095.94																
January 1, 1885, to December 31, 1885 . . . . . 218,547.05 882,766.37 1,101,313.42 2,162,066.55																

For losses not settled, see Monthly Reports.



## CAUSES OF FIRES AND ALARMS.

---

Alarms, false . . . . .	26
„ needless . . . . .	21
Assistance, calls for . . . . .	2
Ashes, hot, placed in wooden receptacles . . . . .	9
„ „ from pipes . . . . .	15
Attempting to thaw out water-pipes . . . . .	9
Boiling over of fat in a kettle . . . . .	9
„ „ „ tar „ „ „ . . . . .	4
„ „ „ rosin „ „ „ . . . . .	1
Bonfires . . . . .	2
Bagging over boiler igniting . . . . .	2
Brush fires . . . . .	38
Candles . . . . .	4
Cigars . . . . .	2
Cigar stubs thrown in a wooden spittoon, filled with sawdust . . . . .	3
„ „ „ on awning . . . . .	1
Chimney fire . . . . .	23
Dampness in a gun-mould . . . . .	1
Defective chimney . . . . .	11
„ fireplaces . . . . .	6
„ oven . . . . .	1
„ range . . . . .	1
„ set boiler . . . . .	1
„ furnace . . . . .	1
Electric spark . . . . .	1
„ light wires . . . . .	2
Fires rekindled . . . . .	2
Firecrackers . . . . .	3
Fireworks . . . . .	3
Firepots . . . . .	2
Friction . . . . .	1
Gas jet igniting curtains . . . . .	8
„ „ „ goods in window . . . . .	4
„ „ „ woodwork . . . . .	4
„ „ „ straw . . . . .	1
„ „ „ rags . . . . .	1
„ explosion . . . . .	1
„ leakage, attempting to find . . . . .	6
Gasoline stoves, explosion . . . . .	4



Sparks from a stove . . . . .	1
„ „ a locomotive . . . . .	5
Stove, igniting clothing . . . . .	1
Stove, upsetting of . . . . .	2
Unknown . . . . .	123
Vapor from alcohol . . . . .	1
„ „ benzine . . . . .	1
„ „ gasoline . . . . .	1
„ „ kerosene oil . . . . .	3
„ „ naphtha . . . . .	7
Varnish, igniting from a hot stove . . . . .	1
Total . . . . .	<hr/> 669



## TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

1885.		
March.	By Cash on hand, Balance . . . . .	\$16,111.48
	Balance of Assessment (Jan. 1, 1885), collected . . . . .	5,030.16
	Six Months' Assessment, to July 1, 1885 . . . . .	17,832.07
	Six Months' Assessment, to Jan. 1, 1886 . . . . .	18,415.99
	Interest, Eliot National Bank . . . . .	270.86
	Cash received for use of Covers . . . . .	86.72
		<hr/> \$57,747.28

\$57,747.28

NET RUNNING EXPENSES.

March, 1876, to March, 1877	\$27,311.72
March, 1877, to March, 1878	26,922.86
March, 1878, to March, 1879	23,975.96
March, 1879, to March, 1880	25,733.80
March, 1880, to March, 1881	28,288.46
March, 1881, to March, 1882	26,593.69
March, 1882, to March, 1883	26,399.49
March, 1883, to March, 1884	35,177.68
March, 1884, to March, 1885	35,253.10
March, 1885, to March, 1886	37,047.94

## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1886.

## To Cash paid:—

Pay Roll . . . . .	\$24,836.69
Rent and Taxes of Houses . . . . .	2,668.80
Hay and Grain . . . . .	793.77
Wagon and Harness Repairs . . . . .	946.54
Horse Shoeing . . . . .	266.29
Fuel . . . . .	269.50
Gas . . . . .	353.55
Supplies . . . . .	492.93
Furnishings and Repairs to Houses . . . . .	390.86
Washing . . . . .	200.38
Telephone Dispatch Co. . . . .	160.00
Automatic Alarm and Repairs . . . . .	263.95
Water Tax . . . . .	61.10
Turkeys at Thanksgiving . . . . .	73.92
Funeral Expenses, James Sweetser . . . . .	325.25
Helmet Hats . . . . .	210.00
New Covers and Repairs . . . . .	1,389.22
Collision Damages and Legal Services . . . . .	285.00
Sundries . . . . .	361.50
Advertising Annual Meeting . . . . .	30.03
Secretary and Boy, Rent of Rooms and Sundries . . . . .	1,009.98
Printing and Stationery . . . . .	1,048.40
Treasurer . . . . .	600.00
Directors' Meetings . . . . .	97.00
	<hr/>
Commercial Union Assurance Co., Assessment of	\$37,134.66
B. F. Brown (July 1, 1885), paid twice . . . . .	8.07
Balance due, Assessment Jan. 1, 1886 . . . . .	5,077.18
Balance, Cash on hand . . . . .	15,527.37
	<hr/>
	\$57,747.28

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 12, 1886.

Audited and found correct to date.

*Signed,*

HAMMOND VINTON, }  
P. E. EDDY, } *Auditing Committee.*  
J. W. PORTER, }

## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1885, TO MARCH 1, 1886.

Months.			Days of the Week.		Days of the Month.		Hours of the Day.	
March, 1885.	73	Monday . . .	85	1	20	6 to 7	A. M.	11
				2	13	7 "	8 "	19
				3	11	8 "	9 "	31
April, "	78	Tuesday . . .	84	4	30	9 "	10 "	15
				5	19	10 "	11 "	34
				6	19	11 "	12 noon.	32
May, "	41	Wednesday . .	102	7	27	12 "	1 P. M.	29
				8	25	1 "	2 "	28
				9	17	2 "	3 "	29
June, "	50	Thursday . .	98	10	23	3 "	4 "	28
				11	35	4 "	5 "	28
				12	28	5 "	6 "	45
July, "	56	Friday . . .	109	13	27	6 "	7 "	44
				14	18	7 "	8 "	54
				15	9	8 "	9 "	42
August, "	45	Saturday . .	112	16	16	9 "	10 "	40
				17	28	10 "	11 "	29
				18	29	11 "	12 night.	23
September, "	56	Sunday . . .	79	19	20	12 "	1 A. M.	20
				20	22	1 "	2 "	27
				21	27	2 "	3 "	24
October, "	36			22	15	3 "	4 "	12
				23	22	4 "	5 "	10
				24	23	5 "	6 "	15
November, "	46			25	24			
				26	29			
				27	31			
December, "	57			28	21			
				29	16			
				30	18			
January, 1886.	68			31	7			
February, "	63							
Total . .	669		669		669			669

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	349
Boston Highlands . . . . .	65
Charlestown . . . . .	48
East Boston . . . . .	47
South Boston . . . . .	42
Dorchester . . . . .	39
West Roxbury . . . . .	45
Brighton . . . . .	32
Chelsea . . . . .	1
Harbor . . . . .	1
Total . . . . .	669

## CLASSIFICATION OF COVERS SPREAD.

30 Fires of	1 Cover . . .	30	1 Fire of	26 Covers . . .	26
28    ,,    ,,	2 Covers . . .	56	1    ,,    ,,	28    ,,    ,, . . .	28
20    ,,    ,,	3    ,, . . .	60	2 Fires,,	29    ,, . . .	58
18    ,,    ,,	4    ,, . . .	72	2    ,,    ,,	30    ,, . . .	60
11    ,,    ,,	5    ,, . . .	55	1 Fire    ,,	31    ,, . . .	31
8    ,,    ,,	6    ,, . . .	48	1    ,,    ,,	39    ,, . . .	39
6    ,,    ,,	7    ,, . . .	42	1    ,,    ,,	42    ,, . . .	42
7    ,,    ,,	8    ,, . . .	56	1    ,,    ,,	48    ,, . . .	48
2    ,,    ,,	9    ,, . . .	18	1    ,,    ,,	50    ,, . . .	50
1 Fire    ,,	10    ,, . . .	10	1    ,,    ,,	57    ,, . . .	57
2 Fires,,	11    ,, . . .	22	1    ,,    ,,	58    ,, . . .	58
2    ,,    ,,	12    ,, . . .	24	2 Fires,,	62    ,, . . .	124
4    ,,    ,,	13    ,, . . .	52	1 Fire    ,,	64    ,, . . .	64
1 Fire    ,,	14    ,, . . .	14	1    ,,    ,,	66    ,, . . .	66
2 Fires,,	15    ,, . . .	30	1    ,,    ,,	73    ,, . . .	73
1 Fire    ,,	16    ,, . . .	16	1    ,,    ,,	84    ,, . . .	84
1    ,,    ,,	17    ,, . . .	17	1    ,,    ,,	106    ,, . . .	106
1    ,,    ,,	18    ,, . . .	18	1    ,,    ,,	118    ,, . . .	118
2 Fires,,	19    ,, . . .	38	1    ,,    ,,	124    ,, . . .	124
1 Fire    ,,	20    ,, . . .	20	1    ,,    ,,	135    ,, . . .	135
1    ,,    ,,	22    ,, . . .	22	1    ,,    ,,	153    ,, . . .	153
3 Fires,,	24    ,, . . .	72			
1 Fire    ,,	25    ,, . . .	25			
			Total . . . . .		2,361*

## COVERS DESTROYED AT FIRES.

July 28, 1885, Sargent's Wharf . . . . .	5 Covers.
,, 12,    ,, Lewis Wharf . . . . .	17    ,,
January 12, 1886, Clinton Street . . . . .	47    ,,
Condemned . . . . .	8    ,,
	77 Covers.

## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by treasurer, Wm. A. Green, to sick and disabled members of the Boston Protective Department during the year from March 1, 1885, to March 1, 1886:—

Patrolman	James W. Sweetser,	Apr. 16 . . . . .	\$150 00
„	Geo. W. Thompson,	Aug. 21 . . . . .	35.00
„	H. S. Kendall,	Apr. 16 . . . . .	10.00
„	„ „ „	Aug. 21 . . . . .	5.00
„	„ „ „	Dec. 22 . . . . .	8.00
„	J. T. Fitzgerald,	June 11 . . . . .	6.00
„	„ „ „	Aug. 21 . . . . .	4.00
„	J. C. Bense,	June 11 . . . . .	10.00
Total . . . . .			<u>\$228.00</u>

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## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

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The following amounts have been paid by treasurer, H. S. Kendall, to sick and disabled members of the department during the year, from March 1, 1885, to March 1, 1886:—

Patrolman	A. F. Hall,	Mar. 6 . . . . .	\$ 6.00
„	J. C. Bense,	Apr. 19 . . . . .	6.00
„	C. H. Ferrier,	June 25 . . . . .	6.00
„	G. W. Thompson,	Aug. 18 . . . . .	15.87
Lieutenant	S. E. Smith,	Dec. 28 . . . . .	18.00
Patrolman	G. W. Thompson,	Dec. 28 . . . . .	18.00
„	J. C. Bense,	Feb. 12 . . . . .	24.00
„	S. W. Ronimus,	Feb. 19 . . . . .	25.43
Total . . . . .			<u>\$119.30</u>

Funds of the B. P. D. M. R. Association in hand of the Trustees, one hundred and forty-six (\$146) dollars.

JAMES SWORDS, J. EDWARD HOLLIS, SAMUEL ABBOTT, JR.,	}	Trustees.
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## ACCIDENTS

To Members of the Department from March 1, 1885, to March 1, 1886.

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### 1885.

- March 8. Patrolman J. W. Sweetser, killed by the falling of a ladder.  
 „ 24. Lieutenant S. E. Smith, foot injured by falling goods.  
 July 4. Patrolman J. T. Fitzgerald, injured by falling goods.  
 Dec. 12. Lieutenant S. E. Smith, injured by being thrown from wagon,  
       hind axle breaking.  
 “ 12. Driver G. W. Thompson, injured by being thrown from  
       wagon, hind axle breaking.

### 1886.

- Jan. 12. Patrolman J. C. Bense, sprained knee.  
 „ 17. Patrolman S. W. Ronimus, injured in coming down the slid-  
       ing pole.  
 Feb. 3. Patrolman D. W. Brown, sprained ankle.











THIRTEENTH

ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1886, TO MARCH 1, 1887.

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BOSTON :  
PRESS OF L. BARTA & CO.,  
54 PEARL STREET.  
1887.



BOSTON, MASS.

THIRTEENTH

# ANNUAL REPORT

OF THE

## Boston Protective Department,

FROM MARCH 1, 1886, TO MARCH 1, 1887.

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BOSTON :  
PRESS OF L. BARTA & CO.,  
54 PEARL STREET.  
1887.



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cont.

9 nos.

## OFFICERS.

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*President :*

JAMES SWORDS.

*Vice-President :*

J. EDWARD HOLLIS.

*Treasurer :*

CHAS. E. GUILD.

*Secretary :*

OSBORNE HOWES, JR.

*Directors :*

TO SERVE UNTIL MARCH, 1889.

CHAS. E. GUILD.

N. FOSTER, JR.

EDWARD D. BLAKE.

TO SERVE UNTIL MARCH, 1888.

GEORGE R. ROGERS.

JAMES SWORDS.

FRANK E. SWEETSER.

TO SERVE UNTIL MARCH, 1887.

H. C. BIGELOW.

J. EDWARD HOLLIS.

HORACE V. FREEMAN.



## REPORT OF DIRECTORS.

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Boston, March 21, 1887.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT :

*Gentlemen :* In submitting their thirteenth annual report to the members of and contributors to the Boston Protective Department, the Directors beg to call particular attention to the admirable and highly valuable collection of statistical matter which Superintendent Abbott has prepared, and which will be found in the succeeding pages of this report. The data therein tabulated cover many points of interest to underwriters, and the plan, both in conception and treatment, is much more extended and exhaustive than anything hitherto attempted in this line in this city. That it will be of great service to the members in giving them a clear idea of the results of their business operations, is an opinion entertained by the Directors, and will, they are convinced, be shared by the members when they have made a careful study of the subject.

The active work of the Department for the past corporate year has been in all respects satisfactory. Both in its personnel and equipment the department has been maintained and is now in a state of efficiency which leaves little or nothing to be desired. A few changes in the membership of the force have been made, and in these cases the system of promotion, under what is termed the civil service rule, has been followed.

The Directors feel called upon to bring before the annual meeting one subject of considerable importance. When the department was first organized the pay given to its members was based upon the salaries given to men holding corresponding positions in the Boston Fire Department. Several changes have been made in the scale of pay, both in the way of reduction and of advance. But in the interval of years the pay of the members of the Boston Fire Department has been somewhat increased, and at

the present time the members of the Protective Department are receiving less remuneration than their associates in the city force. This has been a cause of complaint, and for nearly a year the active members of the department have felt that it was no more than fair, considering the character of the work performed by them, which, in some respects, is more arduous than the service required of members of the Fire Department, that they should receive the same rate of remuneration accorded to the members of the latter department. The matter was brought before the Board of Directors some months ago, but considering the limitations which the annual appropriation imposed, the Board did not think it expedient to take definite action. The change would involve a present increase in the pay roll of \$2,530, and a future increase after some years of service of those men who have joined the force at a comparatively recent date of \$835 additional pay, making a future total expense in excess of that now paid in salaries of \$3,365. The Directors believe that it is desirable to make this increase; not that the service performed by the men under existing conditions has not been well done, but if all possibility of making invidious comparisons is removed, the Directors believe that the increased usefulness of the force would more than compensate the underwriters for this additional expense. In order to be well within the bounds of possible demands, the Directors think it desirable that the maximum sum for expenses for the ensuing year should be fixed at \$45,000, and they, therefore, recommend,—

First, that the active duties of the department shall be continued for another year; and

Second, that the Directors shall be authorized to expend for the maintenance of the department during another year not exceeding \$45,000.

For the Directors,

JAMES SWORDS,

*President.*



## TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

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1886.		
March.	By Cash on hand, Balance . . . . .	\$15,527.37
	Balance of Assessment (Jan. 1, 1886), collected . . .	5,077.18
	Six Months' Assessment, to July 1, 1886 . . . . .	18,809.33
	Six Months' Assessment, to Jan. 1, 1887 . . . . .	18,757.15
	Interest, Eliot National Bank . . . . .	279.54
July 2, '86.	Cash for Belt, Hammer, etc. . . . .	3.21
Sept. 22, '86.	Cash for use of Cover . . . . .	2.00
1887.	Estate E. J. Smith, for watch duty, at house No. 6 Alpine	
Feb. 18,	Street, fire Sept. 20, 1886 . . . . .	11.25
		<hr/> \$58,467.03

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\$58,467.03

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## NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49
March, 1883, to March, 1884 . . . . .	35,177.68
March, 1884, to March, 1885 . . . . .	35,253.10
March, 1885, to March, 1886 . . . . .	37,047.94
March, 1886, to March, 1887 . . . . .	33,833.64



## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1887.

To Cash paid:—

Pay Roll . . . . .	\$24,632.51
Rent and Taxes of Houses . . . . .	2,666.70
Hay and Grain . . . . .	634.18
Wagon and Harness Repairs . . . . .	712.21
Storage of Pung, and use of Wagon . . . . .	97.00
Horse Shoeing . . . . .	230.81
Fuel . . . . .	215.25
Gas . . . . .	226.35
Supplies . . . . .	348.02
Furnishings and Repairs to Houses . . . . .	240.49
Washing . . . . .	194.98
Telephone Dispatch Co. . . . .	160.00
Automatic Alarm and Repairs . . . . .	211.10
Water Tax . . . . .	62.50
Purchase of Horse . . . . .	350.00
Sundries . . . . .	110.55
Advertising Annual Meeting . . . . .	20.61
Secretary and Boy, Rent of Rooms and Sundries . . . . .	947.71
Printing and Stationery . . . . .	1,061.67
Treasurer . . . . .	600.00
Directors' Meetings . . . . .	111.00
	<hr/> \$33,833.64
Balance due, Assessment of Jan. 1, 1887 . . . . .	5,518.19
Balance, Cash on hand . . . . .	19,115.20
	<hr/> \$58,467.03

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 10, 1887.

Audited and found correct to date.

*Signed,*

HAMMOND VINTON,	} <i>Auditing Committee.</i>
JOHN W. PORTER,	
P. E. EDDY,	

## SUPERINTENDENT'S REPORT.

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HEADQUARTERS, BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., No. 5 HAMILTON ST. }

BOSTON, March 1, 1887.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT :

*Gentlemen :* The subjoined is the Thirteenth Annual Report of this department, for the year ending March 1, 1887.

The report embraces in the annexed tables the roster of the officers and members of the department, discharges, promotions, and appointments, a monthly statement of alarms of fires, covers spread, extinguishers used, fire and watch duty performed by the department, together with the amount of insurance and loss paid by insurance companies ; also loss not insured, on building and contents ; a comparison of fires, covers spread, insurance, total loss, and loss not insured for seven years ; a classification of fires and alarms, in months, days of the week, days of the month, and hours of the day, also districts where alarms were given ; a classification of covers spread, and a report of covers condemned ; the causes of fires and alarms ; the grading of losses for six years, commencing Jan. 1, 1881, with the average loss to each alarm, and average loss to each fire, together with the total fires, loss, and average for each fire ; a statement of insurance, loss paid by insurance companies, per cent of insurance paid in losses, and per cent of total loss not insured on buildings and contents for six years ; a schedule of property belonging to the department, together with a list of members injured ; a statement of benefits paid to members of this department from the Boston Firemen's Relief Fund, also from the Boston Protective Department Mutual Relief Association on account of sickness ; also a statement of the funds of the B. P. D. M. R. Association in the hands of the trustees.

The organization of the department continues the same as last year. One horse was retired (on account of age) June 29, 1886,

after serving upward of thirteen years, dying in a short time afterwards; another horse was purchased.

I respectfully recommend that a lighter wagon be purchased for use by Company No. 1, the old one to be used in case of accidents or repairs; the money now paid for use of wagons, will more than pay the interest on the money invested for a new wagon; also that a pung be purchased for Company No. 1, as the old one is unsafe to use, and that a sleigh be purchased for the Superintendent, one appropriate for the business; also that twenty-five (25) covers be purchased annually until the maximum number amounts to six hundred (600) covers.

In conclusion I desire to express my sincere thanks to President James Swords, Esq., the Board of Directors and Osborne Howes, Jr., Esq., Secretary of the Board, for their uniform kindness and co-operation, and also to the officers and members of this department for the earnest and faithful manner in which they have performed their duties; also to the Board of Fire Commissioners, Chief Engineer L. P. Webber and Assistant Engineers, Superintendent B. S. Flanders of the Fire Alarm Department, and all the officers of the Fire Department, together with the officers and members of the Police Department for their courtesy and assistance at all times.

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Superintendent.*

# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 40; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	50	Engineer . . . . .	977 Washington St., City Proper.	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	37	Fireman . . . . .	2 Holden Row, Charlestown.	12	" "
Driver.	G. W. Thompson . . . . .	51	Driver . . . . .	2 Edgeworth St., "	13	" "
Ass't Driver.	A. F. Hall . . . . .	32	Ship Joiner . . . . .	27 Denton St., "	20	" "
Patrolman.	D. W. Brown . . . . .	35	Clerk . . . . .	1038 Washington St., City Proper.	41	" "
"	A. T. Osborne . . . . .	30	Machinist . . . . .	15 Pine Street, "	21	" "
"	C. Schwarn . . . . .	29	Wood Carver . . . . .	89 Hudson Street, "	14	" "
"	J. T. Fitzgerald . . . . .	27	Clerk . . . . .	44 Fayette Street, "	16	" "
"	H. W. Kimball . . . . .	28	Clerk . . . . .	431 Bunker Hill St., Charlestown	43	" "
"	J. J. McCarthy . . . . .	34	Clerk . . . . .	Winship St., Brighton District.	22	" "
Substitute.	H. E. Thompson . . . . .	29	Painter . . . . .	6 Arthur Place, Charlestown.	39	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . . .	56	Calker . . . . .	22 Paris Street, East Boston.	17	East Boston District.
"	C. H. Ferrier . . . . .	27	Clerk . . . . .	354 Main Street, Charlestown.	18	Charlestown "

## DISCHARGED.

M. I. Tully . . . . . September 8, 1886.

## PROMOTIONS.

J. J. McCarthy, from Substitute to Patrolman, September 8, 1886.

## APPOINTED.

H. E. Thompson, Permanent Substitute, October 13, 1886.



COMPANY NO. 2.      No. 16 Broadway Extension.      PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff . . . . .	40	Mason . . . . .	8 Oak Street, City Proper.	37	Company Quarters.
Lieutenant.	M. F. Packard . . . . .	43	Mason . . . . .	48½ Shawmnt Ave., "	38	" "
Driver.	I. M. Hutchins . . . . .	41	Foreman of Contractors	20 Gray Street, "	26	" "
Ass't Driver.	C. H. Cushing . . . . .	39	Driver . . . . .	11 Pine Street, "	23	" "
Patrolman.	J. L. Huff . . . . .	36	Mason . . . . .	258 Harrison Ave, "	25	" "
"	H. S. Kendall . . . . .	40	Painter . . . . .	21 Oak Street, "	24	" "
"	S. W. Ronimus . . . . .	33	Paper Hanger . . . . .	17 Melrose Street, "	28	" "
"	G. H. Carter . . . . .	38	Porter . . . . .	11 Pine Street, "	29	" "
"	F. O. Hinckley . . . . .	27	Clockmaker . . . . .	47 Adams Street, Roxbury.	27	" "
Substitute.	J. W. White . . . . .	32	Clerk . . . . .	24 Tyler Street, City Proper.	17	" "

CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	P. A. Garcia . . . . .	30	Clockmaker . . . . .	198 Dudley Street, Roxbury.	30	Boston Highland Dist.
"	F. C. Byrnes . . . . .	29	Expressman . . . . .	835 Fourth Street, South Boston.	31	South Boston "
"	B. C. Bird . . . . .	57	Janitor . . . . .	Highland Street, Dorchester.	32	Dorchester "
"	G. W. Dalton . . . . .	46	Blacksmith . . . . .	Washington Street,	33	Dorchester "
"	W. H. Keenan . . . . .	34	Clerk . . . . .	3379 Washington St., W. Roxbury	34	West Roxbury "
"	H. E. Malone . . . . .	29	Butcher . . . . .	Church Street, Brighton.	35	Brighton "
DISCHARGES.				PROMOTIONS.		
J. C. Bense . . . . . January 12, 1887.				F. O. Hinckley, from Substitute to Patrolman, January 12, 1887.		
APPOINTED.				J. W. White, Permanent Substitute, February 14, 1887.		

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Fire and Watch Duty, Insurance and Loss, for the year ending March 1, 1887.

MONTHS.	Alarms.			Covers.		Fire Duty.		Buildings.		Contents.		Losses not Insured.		Total.				
	Bell.	Still.	Automatic.	Extd by Oc.	Total.	Spread.	Roof.	Extinguishers Used	Hours.	Minutes.	Buildings.		Contents.		Insurance.	Loss.		
											Insurance.	Loss.	Insurance.	Loss.				
																	Hours.	Minutes.
March, 1886.	42	8	0	50	244	54	6	47 20	206		\$259,500.00	\$29,148.10	\$137,250.00	\$27,457.51	\$1,610.00	\$3,620.00	\$396,750.00	\$61,835.61
April, "	38	7	1	0	46	113	5	1 45 50	225		256,819.50	20,764.62	153,145.00	19,926.88	75.00	1,836.84	409,964.50	42,603.34
May, "	30	19	3	0	52	40	7	3 32	56		185,789.00	30,289.88	48,159.00	1,904.02	8,217.10	2,283.00	233,939.00	42,694.00
June, "	24	11	1	1	37	206	7	4 31 35	27		247,450.00	41,313.00	381,950.00	74,453.99	100,500.00	41,515.00	629,400.00	257,781.99
July, "	63	14	4	1	82	133	7	7 56 15	128 25		271,416.33	33,825.58	138,408.67	80,643.13	13,666.00	47,743.61	409,825.00	175,878.32
August, "	28	14	1	0	43	67	3	5 25 55	48 30		104,180.00	3,263.25	19,130.31	2,353.65	45.00	1,170.00	123,310.31	6,831.90
Sept., "	42	7	0	0	49	124	5	3 42 35	290 40		153,850.00	9,383.93	153,408.30	16,683.31	1,300.00	470.00	307,258.30	27,797.24
Oct., "	47	12	1	0	60	73	4	3 42 20	22		174,340.00	3,119.10	125,701.50	6,554.95	1,874.03	42,392.63	498,065.00	193,255.17
Nov., "	53	12	1	0	66	157	13	6 58 35	142 30		210,490.00	26,481.73	287,575.00	122,506.78	690.00	2,636.45	257,327.50	30,180.34
Dec., "	53	16	2	0	71	153	5	2 52 40	87 15		194,472.00	11,473.27	62,855.50	15,380.62	1,460.00	2,210.00	449,600.00	39,584.10
Jan y., 1887.	46	12	0	1	59	121	6	5 51 35	175 30		218,300.00	16,390.11	231,300.00	19,523.99	310.00	3,990.00	179,010.00	15,194.62
Feb., "	37	10	0	0	47	141	3	3 39 15	64		107,600.00	4,407.00	71,410.00	6,487.62				
Total . . .	503	142	14	3	662	1572	112	52 52 55	1472 50		\$2,384,206.83	\$229,859.57	\$1,810,284.28	\$393,876.45	\$129,747.13	\$151,597.53	\$4,194,491.11	\$905,080.68

Comparison of Fires, Insurance, and Losses for seven years.

Years.

March 1, 1880, to March 1, 1881.	587	\$6,009,756.00	\$1,056,468.00	Loss not Insured.
March 1, 1881, to March 1, 1882.	1366	3,801,564.11	551,958.82	\$56,197.83
March 1, 1882, to March 1, 1883.	1910	5,209,049.83	940,073.69	172,401.59
March 1, 1883, to March 1, 1884.	2948	6,972,141.29	1,100,381.81	163,160.05
March 1, 1884, to March 1, 1885.	2338	6,933,012.24	1,256,944.74	123,389.95
March 1, 1885, to March 1, 1886.	2361	6,371,291.77	1,167,835.28	148,422.58
March 1, 1886, to March 1, 1887.	1572	4,194,491.11	905,080.68	281,344.66

## Comparison of Fires, Insurance, and Losses for seven years.

Years.	Fires.	Covers Spread.	Insurance.	Total Loss.	Loss not Insured.
March 1, 1880, to March 1, 1881 . . . . .	587	1596	\$6,009,756.00	\$1,056,468.00	\$56,197.83
March 1, 1881, to March 1, 1882 . . . . .	521	1304	3,801,564.11	551,058.82	172,401.59
March 1, 1882, to March 1, 1883 . . . . .	510	1910	5,209,049.83	940,073.69	163,160.05
March 1, 1883, to March 1, 1884 . . . . .	648	2948	6,972,141.29	1,100,381.81	123,389.95
March 1, 1884, to March 1, 1885 . . . . .	648	2338	6,933,012.24	1,256,944.74	148,422.58
March 1, 1885, to March 1, 1886 . . . . .	639	2361	6,371,291.77	1,167,835.28	281,344.66
March 1, 1886, to March 1, 1887 . . . . .	632	1572	4,194,491.11	906,080.68	

## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1886, TO MARCH 1, 1887.

Months.			Days of the Week.		Days of the Month.		Hours of the Day.	
March, 1886.	50	Monday . . .	109	1	26	6 to 7 A. M.	17	
				2	20	7 " 8 "	14	
				3	31	8 " 9 "	22	
April, "	46	Tuesday . . .	98	4	28	9 " 10 "	27	
				5	27	10 " 11 "	23	
				6	31	11 " 12 noon.	19	
May, "	52	Wednesday . .	95	7	16	12 " 1 P. M.	27	
				8	29	1 " 2 "	23	
				9	18	2 " 3 "	21	
June, "	37	Thursday . .	87	10	18	3 " 4 "	13	
				11	27	4 " 5 "	8	
				12	15	5 " 6 "	20	
July, "	82	Friday . . .	79	13	12	6 " 7 "	49	
				14	16	7 " 8 "	55	
				15	20	8 " 9 "	42	
August, "	43	Saturday . .	103	16	23	9 " 10 "	31	
				17	23	10 " 11 "	37	
				18	17	11 " 12 night.	26	
September, "	49	Sunday . . .	91	19	24	12 " 1 A. M.	33	
				20	23	1 " 2 "	30	
				21	23	2 " 3 "	26	
October, "	60			22	22	3 " 4 "	35	
				23	17	4 " 5 "	28	
				24	30	5 " 6 "	36	
November, "	66			25	26			
				26	20			
				27	18			
December, "	71			28	18			
				29	20			
				30	14			
January, 1887.	59			31	10			
February, "	47							
Total . . .	662		662		662		662	

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	360
Boston Highlands . . . . .	82
Charlestown . . . . .	41
East Boston . . . . .	51
South Boston . . . . .	56
Dorchester . . . . .	26
West Roxbury . . . . .	24
Brighton . . . . .	21
Milton . . . . .	1
Total . . . . .	662



## CLASSIFICATION OF COVERS SPREAD.

25 Fires of 1 Cover . . .	25	2 Fires of 21 Covers . . .	42
21 „ „ 2 Covers . . .	42	1 Fire „ 23 „ . . .	23
13 „ „ 3 „ . . .	39	2 Fires „ 29 „ . . .	58
14 „ „ 4 „ . . .	56	1 Fire „ 31 „ . . .	31
7 „ „ 5 „ . . .	35	1 „ „ 35 „ . . .	35
4 „ „ 6 „ . . .	24	1 „ „ 39 „ . . .	39
10 „ „ 7 „ . . .	70	1 „ „ 43 „ . . .	43
3 „ „ 8 „ . . .	24	1 „ „ 48 „ . . .	48
7 „ „ 9 „ . . .	63	2 Fires „ 50 „ . . .	100
5 „ „ 10 „ . . .	50	1 Fire „ 56 „ . . .	56
2 „ „ 11 „ . . .	22	1 „ „ 59 „ . . .	59
1 Fire „ 12 „ . . .	12	1 „ „ 67 „ . . .	67
3 Fires „ 13 „ . . .	39	1 „ „ 68 „ . . .	68
2 „ „ 14 „ . . .	28	1 „ „ 111 „ . . .	111
2 „ „ 16 „ . . .	32	1 „ „ 120 „ . . .	120
3 „ „ 17 „ . . .	51		
3 „ „ 20 „ . . .	60		
		Total . . . . .	1,572

## COVERS CONDEMNED.

2 rubber covers condemned.

## CAUSES OF FIRES AND ALARMS.

---

Alarms, false . . . . .	38
,, needless . . . . .	21
Ashes, hot . . . . .	4
,, ,, placed in wooden receptacles . . . . .	8
,, ,, from pipes . . . . .	15
Boiling over of fat . . . . .	3
,, ,, ,, tar . . . . .	3
,, ,, ,, liniment . . . . .	1
,, ,, ,, sugar . . . . .	1
Bonfires . . . . .	2
Brush fires . . . . .	13
Candles . . . . .	6
Cigars . . . . .	2
Cigar stubs thrown in a wooden spittoon filled with sawdust . . . . .	2
,, thrown on awning . . . . .	1
Chimney fires . . . . .	16
Coffee grinder, hard substance in . . . . .	1
Defective chimneys . . . . .	18
,, fireplaces . . . . .	2
,, oven . . . . .	1
,, range . . . . .	1
,, set boiler . . . . .	1
Electric spark . . . . .	2
,, light wires, overcharged . . . . .	5
Fires, rekindling of . . . . .	1
Firecrackers . . . . .	6
Fireworks . . . . .	5
Firepots . . . . .	1
Gas jet igniting curtains . . . . .	8
,, ,, ,, goods in window . . . . .	2
,, ,, ,, woodwork . . . . .	4
,, ,, ,, netting . . . . .	1
,, ,, vapor from ether igniting from . . . . .	1
,, explosions . . . . .	1
,, leakage, attempting to find a . . . . .	4
Gasoline stove, attempting to fill a lighted . . . . .	1
Iron, hot . . . . .	1
Incendiary, supposed . . . . .	63

Kerosene-oil lamps, explosion of . . . . .	21
"    "    "    breaking of . . . . .	37
"    "    "    igniting woodwork . . . . .	1
"    "    "    "    curtain . . . . .	2
"    "    "    in a kettle of varnish, dropping a . . . . .	1
"    "    stoves, upsetting of lighted . . . . .	4
"    "    "    attempting to fill a lighted . . . . .	1
"    "    "    igniting woodwork, lighted . . . . .	1
"    "    "    attempting to kindle a fire with . . . . .	1
Lightning . . . . .	1
Lime slacking . . . . .	2
Matches . . . . .	14
"    children playing with . . . . .	35
"    thrown on closet floor . . . . .	15
"    "    "    straw . . . . .	2
"    "    "    waste paper . . . . .	9
"    "    "    rubbish . . . . .	14
"    "    "    mattress . . . . .	4
"    "    "    cotton . . . . .	1
"    "    "    bedding . . . . .	1
"    rats and . . . . .	7
Malt crusher, hard substance in . . . . .	2
Oil igniting from a hot boiler . . . . .	1
Overheated hot air pipes . . . . .	8
"    stoves . . . . .	16
"    stove funnels . . . . .	6
"    furnaces . . . . .	3
"    ovens . . . . .	2
"    journals . . . . .	2
"    chimneys . . . . .	1
"    steam pipes . . . . .	1
Peanut roaster, hot coals in . . . . .	2
Plastering, drying . . . . .	1
Rags in funnel hole . . . . .	2
Soot in chimneys . . . . .	2
"    "    fireplace . . . . .	1
Spontaneous combustion . . . . .	7
"    "    of coal . . . . .	2
"    "    "    oily rags . . . . .	13
"    "    "    "    waste . . . . .	1
Sparks from chimneys . . . . .	10
"    "    a furnace . . . . .	1
"    "    fire places . . . . .	2
"    "    hoisting engines . . . . .	2
"    "    another fire . . . . .	1
"    "    a pipe . . . . .	1
"    "    forges . . . . .	4
"    "    fire boxes . . . . .	5

Sparks from stoves . . . . .	2
„ „ a locomotive . . . . .	1
Stoves igniting clothing . . . . .	3
„ „ a curtain . . . . .	1
„ „ a mat . . . . .	1
„ upsetting of . . . . .	2
Turpentine igniting from a hot stove . . . . .	1
Unknown . . . . .	90
Vapor from gasoline . . . . .	3
„ „ kerosene oil . . . . .	3
„ „ naphtha . . . . .	6
Water pipes, attempting to thaw out . . . . .	7
Wood in oven igniting . . . . .	2
„ over furnace fire pot . . . . .	1
Whiskey igniting from a lighted spirit lamp . . . . .	1
<hr/>	
Total . . . . .	662

## GRADE OF LOSSES

FOR SIX YEARS, COMMENCING JANUARY 1, 1881.

*Grade of losses for year ending December 31, 1881 :—*

		Aggregate	Average.
214	Fires with no loss.		
156	" " loss under \$100 . . . . .	\$5,259.66	\$33.71
84	" " " from \$100 to \$500 . . . . .	18,964.79	225.77
32	" " " " \$500 to \$1,000 . . . . .	20,990.23	655.94
47	" " " " \$1,000 to \$5,000 . . . . .	121,990.21	2,595.53
11	" " " " \$5,000 to \$10,000 . . . . .	69,418.13	6,310.73
7	" " " " \$10,000 to \$15,000 . . . . .	87,432.83	12,490.40
	Over \$15,000 as follows :—		
1	Fire February 12. Nos. 25 to 39 Arch Street, Rockwell & Churchill . . . . .	19,256.04	\$143,049.97
1	" May 4. Nos. 407 to 413 Atlantic Ave., E. & F. King . . . . .	28,893.12	
1	" May 12. Nos. 28 to 39 Charlestown Street, S. P. Langmaid . . . . .	20,830.66	
1	" August 17. A Street, South Boston, John Souther & Co. . . . .	23,217.00	
1	" October 17. Tudor St., So. Boston, Robt. Bishop . . . . .	18,784.09	
1	" October 23. No. 560 Washington Street, John H. Pray, Sons & Co. . . . .	15,867.00	
1	" November 21. Export Street, J. Burnett & Co. . . . .	16,202.06	20,435.71
558		\$467,105.82	\$837.10

The 344 fires where there was a loss, the average was \$1,357.86.

*Grade of losses for year ending December 31, 1882 :—*

		Aggregate.	Average.
173	Fires with no loss.		
124	" " loss under \$100 . . . . .	\$4,987.58	\$40.22
87	" " " from \$100 to \$500 . . . . .	20,790.89	238.97
32	" " " " \$500 to \$1,000 . . . . .	24,381.15	761.91
54	" " " " \$1,000 to \$5,000 . . . . .	125,299.49	2,320.36
13	" " " " \$5,000 to \$10,000 . . . . .	98,120.45	7,517.72
5	" " " " \$10,000 to \$15,000 . . . . .	61,106.20	12,221.24
	Over \$15,000 as follows :—		
1	Fire January 8. North Beacon Street, Brighton, Good-nough & Brown . . . . .	36,297.50	\$624,150.12
1	" January 18. Nos. 361 and 363 Atlantic Avenue, M. A. Ring . . . . .	18,193.95	
1	" February 1. Nos. 65 and 67 Union Street, C. D. Cobb & Bros. . . . .	23,457.92	
1	" February 10. Nos. 577 and 579 Washington Street, Doe & Hunnewell . . . . .	47,383.09	
1	" March 22. No. 64 Summer Street, Weil, Dreyfus & Co. . . . .	53,696.08	
1	" April 18. No. 120 Fulton Street, G. J. McLauthlin . . . . .	29,102.12	
1	" May 2. No. 82 Lenox Street, Union Carpet Lining Co. . . . .	24,320.49	
1	" June 8. Marginal Street, East Boston, Simpson's Dry Dock . . . . .	18,697.75	
1	" June 12. Nos. 17 and 19 Wareham Street, Cummings, Kenney & Co. . . . .	60,408.07	
1	" August 11. Nos. 143 to 153 South St., Barlow & Co. . . . .	15,774.52	
1	" August 16. Fayette Court, Woodward & Brown . . . . .	20,428.72	
1	" December 19. No. 147 Washington Street, J. P. Lovell & Sons . . . . .	109,037.50	
1	" December 26. No. 212 Camden Street, W. B. Gleason & Co. . . . .	84,460.60	
1	" December 30. Nos. 161 and 165 Pearl Street, Clements & Co. . . . .	82,891.81	
502		\$958,835.88	\$1,910.03

The 329 fires where there was a loss, the average was \$2,914.39.



*Grade of losses for the year ending December 31, 1883 :—*

		Aggregate.	Average.
270	Fires with no loss.		
124	" " loss under \$100 . . . . .	\$5,313.06	\$42.84
109	" " " from \$100 to \$500 . . . . .	26,100.18	239.45
30	" " " " \$500 to \$1,000 . . . . .	19,888.51	662.95
64	" " " " \$1,000 to \$5,000 . . . . .	141,750.86	2,214.85
14	" " " " \$5,000 to \$10,000 . . . . .	89,362.72	6,383.05
14	" " " " \$10,000 to \$15,000 . . . . .	177,601.17	12,685.79
	Over \$15,000 as follows :—		
1	Fire January 24. No. 531 Tremont Street, Smith's American Organ Co. . . . .	54,578.17	\$672,965.68
1	" February 27. Nos. 181 and 183 Washington Street, Corse & Smith . . . . .	26,118.77	
1	" March 19. Nos. 381 to 385 Washington St., D. P. Ilsley . . . . .	40,077.31	
1	" April 6. Hotel Berkeley . . . . .	80,991.45	
1	" May 11. Boylston Street, Harvard Medical College . . . . .	18,649.76	
1	" May 26. Nos. 30 and 34 Hawley Street, George March Building . . . . .	41,350.37	
1	" June 16. Nos. 7 to 15 Chardon Street, Roberts Building . . . . .	91,024.10	
1	" August 23. Nos. 165 and 167 High Street, Billings, Clapp & Co. . . . .	23,199.70	
1	" September 12. Nos. 103 to 109 West Canton Street, G. L. Smith & Co. . . . .	30,929.05	
1	" November 16. Boston & Providence R. R. Machine Shop . . . . .	17,932.50	
1	" November 21. Cambridge Street, Charlestown District, Stickney & Poor . . . . .	40,780.04	
1	" November 29. Columbus Avenue, Hotel Clifton . . . . .	44,259.28	
1	" December 7. East First Street, South Boston, H. Loring's Foundry . . . . .	35,500.00	
1	" December 8. Nos. 46 to 50 Federal Street, Standard Paper Bag Co. . . . .	93,134.10	
1	" December 22. Washington Street, Brighton, Union Horse Railroad Co. . . . .	16,103.58	
1	" December 31. Sherman Street, Charlestown District, Osgood & Hart . . . . .	18,337.50	42,060.35
641		\$1,132,982.18	\$1,767.52

The 371 fires where there was a loss, the average was \$3,053.86.

*Grade of losses for year ending December 31, 1884 :—*

		Aggregate.	Average.
235	Fires with no loss.		
169	" " loss under \$100 . . . . .	\$6,502.09	\$38.47
93	" " " from \$100 to \$500 . . . . .	19,820.33	213.12
46	" " " " \$500 to \$1,000 . . . . .	32,090.38	697.61
57	" " " " \$1,000 to \$5,000 . . . . .	107,474.80	1,885.52
14	" " " " \$5,000 to \$10,000 . . . . .	103,880.71	7,420.05
3	" " " " \$10,000 to \$15,000 . . . . .	38,034.06	12,678.02
	Over \$15,000 as follows :—		
1	Fire January 18. Nos. 157 to 163 Hanover St., Explosion . . . . .	17,105.49	\$798,451.23
1	" February 27. Nos. 111 to 115 Federal Street, Nichols, Dupee & Co. . . . .	22,683.75	
1	" February 28. No. 101 Merrimac Street, L. M. Ham, et al. . . . .	48,551.55	
1	" March 15. No. 460 Harrison Ave., S. Hano & Co. . . . .	19,352.48	
1	" May 8. Nos. 21 to 25 Pearl Street . . . . .	28,166.15	
1	" May 29. Rear 404 to 412 Border Street, East Boston . . . . .	29,205.12	
1	" June 12. Nos. 152 to 158 Congress Street, Balderston & Daggett . . . . .	272,135.46	
1	" June 13. No. 100 Lehigh Street . . . . .	35,307.79	
1	" July 9. Foundry Street, South Boston, South Boston Iron Works . . . . .	17,000.00	
1	" July 23. Nos. 262 to 280 Dover Street . . . . .	45,227.36	
1	" July 23. No. 12 Milk St., Eaton, Holden & Co. . . . .	20,105.18	
1	" August 7. Nos. 9 to 11 Haverhill Street, Davis, Sacker & Perkins . . . . .	18,691.16	
1	" August 13. Nos. 106 to 112 Beach Street, Caton, Heckle & Co. . . . .	62,608.95	
1	" September 25. Taylor Street, Dorchester District, A. T. Stearns & Co. . . . .	70,900.63	
1	" December 5. Nos. 17 and 19 Wareham Street, Cummings, Kenney & Co. . . . .	19,778.43	
1	" December 28. Rear 425 Medford Street, Charlestown District, Waterman's Mills . . . . .	66,631.73	49,590.70
633		\$1,101,253.60	\$1,739.73

The 398 fires where there was a loss, the average was \$2,766.96.

1 Fire Marine loss, "Lighter Merchants," \$13,950.00.

*Grade of losses for year ending December 31, 1885 :—*

		Aggregate.	Average.
258	Fires with no loss.		
167	" " loss under \$100 . . . . .	\$6,662.89	\$39.89
98	" " " from \$100 to \$500 . . . . .	23,012.48	234.82
41	" " " " \$500 to \$1,000 . . . . .	30,184.06	736.19
62	" " " " \$1,000 to \$5,000 . . . . .	131,385.04	2,119.11
11	" " " " \$5,000 to \$10,000 . . . . .	77,522.95	7,047.54
4	" " " " \$10,000 to \$15,000 . . . . .	49,242.96	12,310.74
	Over \$15,000 as follows :—		
1	Fire January 4. Gardiner Street, Brighton District, C. W. Norton . . . . .	15,312.29	\$914,244.67
1	" January 18. Eastern Avenue, Bay State Sugar Re- finery . . . . .	223,465.83	
1	" January 29. No. 232 Beacon Street, G. B. Chase . . . . .	25,639.00	
1	" March 20. Granite, corner West First Street, South Boston, Boston Machine M'fg Co. . . . .	151,788.71	
1	" March 21. Granite, cor. W. First St., South Boston, Continental Sugar Refinery store- house . . . . .	23,237.35	
1	" March 28. Border Street, East Boston, Boston Dye & Chemical Co. . . . .	32,950.00	
1	" March 29. Longwood Avenue, Quirin & Co. . . . .	92,387.69	
1	" May 28. Nos. 41 and 43 Temple Pl., Daniel G. Ford . . . . .	31,403.43	
1	" June 4. Nos. 96 and 98 Milk St., O. J. Rand & Co. . . . .	15,249.84	
1	" June 22. Nos. 89 and 93 Franklin St., A. French & Co. . . . .	82,669.83	
1	" July 28. Nos. 12 and 13 Sargent's Wharf . . . . .	32,511.76	
1	" August 10. Lewis Wharf . . . . .	126,165.08	
1	" September 18. No. 531 Tremont Street, Smith's American Organ Co. . . . .	45,502.13	
1	" November 8. Water, cor. Chamber St., Charlestown District, Disinfecting Co. . . . .	15,961.73	65,303.19
655		\$1,232,255.05	\$1,881.30

The 397 fires where there was a loss, the average was \$3,103.91.

*Grade of losses for year ending December 31, 1886 :—*

		Aggregate.	Average.
239	Fires with no loss.		
217	" " loss under \$100 . . . . .	\$8,436.10	\$38.87
125	" " " from \$100 to \$500 . . . . .	27,598.66	220.78
39	" " " " \$500 to \$1,000 . . . . .	26,799.87	687.17
43	" " " " \$1,000 to \$5,000 . . . . .	98,154.15	2,282.65
12	" " " " \$5,000 to \$10,000 . . . . .	85,743.81	7,145.31
3	" " " " \$10,000 to \$15,000 . . . . .	37,735.87	12,578.62
	Over \$15,000 as follows :—		
1	Fire January 12. Clinton Street . . . . .	165,014.98	\$804,727.59
1	" January 19. Farnham Street, Boston Highlands, G. W. & F. Smith . . . . .	19,140.00	
1	" March 6. Hanover Street, American House . . . . .	34,401.81	
1	" April 15. No. 4 High Street, Witcher & Emery . . . . .	15,808.00	
1	" May 22. No. Beacon St., Brighton, B. & A. R. R. Corporation . . . . .	31,643.90	
1	" June 20. Nos. 590 to 594 Washington Street, Suffolk Manufacturing Co. . . . .	57,688.25	
1	" June 21. Huntington Ave., Metropolitan Horse Railroad Corporation . . . . .	180,060.00	
1	" July 22. Swett Street, Bradley Fertilizer Co. . . . .	157,878.69	
1	" November 28. Nos. 73 to 79 Sumner St., East Boston, Lockwood Manufacturing Co. . . . .	143,091.96	
687		\$1,089,196.05	\$1,585.43

The Schnitzer Bros. loss, December 7, is not included.

The 448 fires where there was a loss, the average was \$2,431.24.

*Total for six years :*

2,287 fires ; \$5,981,628.58 loss, average \$2,615.49.



Statement of the insurance; loss paid by companies; per cent of insurance paid in losses by companies; loss not insured; total loss, and per cent of total loss not insured on buildings and contents; for six years; each year commencing January 1, and ending December 31; also the total insurance; total loss paid by companies; per cent of insurance paid in losses by companies; total loss, and per cent of total loss not insured; for six years.

### BUILDINGS.

Year.	Insurance.	Loss Paid by Companies.	Per cent of Insurance Paid in Losses by Cos.	Loss not Insured.	Total Loss.	Per cent of Total Loss not Insured.
1881	\$2,307,064.38	\$115,612.03	05.01	\$14,888.01	\$130,500.04	11.40
1882	2,405,529.94	159,246.42	06.62	26,271.67	185,518.09	14.16
1883	3,856,784.88	334,981.10	08.68	23,478.10	358,459.20	07.00
1884	3,227,819.93	189,168.83	05.86	28,022.40	217,191.23	14.81
1885	3,070,687.86	221,801.75	07.22	24,240.96	246,042.71	09.85
1886	2,733,588.56	275,269.13	10.06	136,800.13	412,069.26	33.19
Total,	\$17,601,475.55	\$1,296,079.26	07.36	\$253,701.27	\$1,549,780.53	16.37

### CONTENTS.

Year.	Insurance.	Loss Paid by Companies.	Per cent of Insurance Paid in Losses by Cos.	Loss not Insured.	Total Loss.	Per cent of Total Loss not Insured.
1881	\$1,598,163.23	\$304,792.58	19.07	\$31,813.20	\$336,605.78	09.45
1882	2,475,362.73	622,795.39	25.16	150,522.40	773,317.79	19.46
1883	2,742,409.07	596,324.39	21.74	178,198.59	774,522.98	23.00
1884	4,244,172.75	781,134.46	18.40	102,927.91	884,062.37	11.64
1885	2,992,044.37	900,648.20	30.10	85,564.14	986,212.34	08.67
1886	2,270,318.15	499,804.78	22.01	177,322.01	677,126.79	26.18
Total,	\$16,322,470.30	\$3,705,499.80	22.70	\$726,348.25	\$4,431,848.05	16.35

Year	Total Insurance on Buildings and Contents.	Total Loss on Building and Contents paid by Companies.	Per cent of total Insurance paid in losses by Cos.	Total Loss on Buildings and Contents.	Per cent of Total Loss to Insurance.
1881	\$3,905,227.61	\$420,404.61	10.76	\$467,105.82	11.96
1882	4,880,892.67	782,041.81	16.02	958,835.88	19.64
1883	6,599,193.95	931,305.49	14.11	1,132,982.18	17.16
1884	7,471,992.68	970,303.29	12.98	1,101,253.60	14.73
1885	6,062,732.23	1,122,449.95	18.51	1,232,255.05	20.32
1886	5,003,906.71	775,073.91	15.48	1,089,196.05	21.76
Total,	\$33,923,945.85	\$5,001,579.06	14.74	\$5,981,628.58	17.63

## SCHEDULE OF PROPERTY

OWNED BY THE DEPARTMENT IN HOUSES NOS. ONE AND TWO, AND IN  
THE OUTLYING DISTRICTS.

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Horses . . . . .	6
Wagons "complete" . . . . .	2
Pungs (1 unsafe) . . . . .	2
Wagon, for superintendent . . . . .	1
Sleigh . . . . .	1
Rubber covers (5 of which are unfit to cover goods) . . . . .	399
Canvas ,, for roofs . . . . .	4
Fire extinguishers . . . . .	2
Life saving blankets . . . . .	2
Sets of double harnesses . . . . .	2
,, ,, ,, ,, "old" . . . . .	2
,, ,, single ,, . . . . .	3
Wagon poles "extra" . . . . .	2
Wheels "extra" . . . . .	2
Whiffletrees "extra" . . . . .	5
Bedsteads with bedding . . . . .	23
Mantel beds with bedding . . . . .	2
Billiard table "complete" . . . . .	1
Helmets . . . . .	30
Necessary tools and equipments.	
,, stable equipments.	
,, extra parts of harnesses.	
,, house furniture and fixtures.	
,, telegraph apparatus.	
,, gas fixtures.	
,, supplies.	
,, stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

## ACCIDENTS

To Members of the Department from March 1, 1886, to March 1, 1887.

1886.

March 14. Patrolman J. L. Huff, arm broken by being thrown from the wagon.

April 8. Substitute F. O. Hinckley, bruised by being thrown from the wagon.

## BOSTON FIREMEN'S RELIEF FUND.

The following amounts have been paid by Treasurer W. A. Green to sick and disabled members of the Boston Protective Department during the year from March 1, 1886, to March 1, 1887 :—

Patrolman Geo. W. Thompson,	March 11, 1886	. . . . .	\$12.00
Lieutenant S. E. Smith,	„ „	. . . . .	12.50
Patrolman S. W. Ronimus,	„ „	. . . . .	13.00
„ J. C. Bense,	June 5, „	. . . . .	50.00
Substitute F. O. Hinckley,	„ „	. . . . .	7.35
Patrolman D. W. Brown,	Sept. 3, „	. . . . .	7.00
Callman J. E. Thayer,	„ „	. . . . .	20 00
„ H. E. Malone,	„ „	. . . . .	90.00
Patrolman J. L. Huff,	„ „	. . . . .	14.00
„ A. F. Hall,	Dec. 22, „	. . . . .	12.00
„ S. W. Ronimus,	Jan. 19, 1887	. . . . .	50.00
Callman Henry E. Malone,	Feb. 4, „	. . . . .	50.00
Substitute H. E. Thompson,	March 4, „	. . . . .	7.00
Patrolman H. W. Kimball,	„ „	. . . . .	3.00
„ A. T. Osborne,	„ „	. . . . .	18.00
„ Geo. W. Thompson,	„ „	. . . . .	29.50
Lieutenant S. E. Smith,	„ „	. . . . .	6.00
Patrolman S. W. Ronimus,	„ „	. . . . .	50.00
Callman H. E. Malone,	„ „	. . . . .	50.00
Total . . . . .			\$601.35

## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

The following amounts have been paid by Treasurer H. S. Kendall to sick and disabled members of this department during the year from March 1, 1886, to March 1, 1887 :—

Patrolman J. L. Huff,	May 14, 1886	. . . . .	\$48.00
Substitute F. O. Hinckley,	April 8, „	. . . . .	6.00
Callman H. Malone,	Feb. 25, 1887	. . . . .	96.00
„ J. E. Thayer,	July 23, 1886	. . . . .	12.00
Patrolman J. C. Bense,	Sept. 25, „	. . . . .	12.00
„ S. W. Ronimus,	Feb. 27, 1887	. . . . .	60.00
Callman B. C. Bird,	Jan. 12, „	. . . . .	12.00
Patrolman Geo. W. Thompson,	Feb. 21, „	. . . . .	9.43
Total . . . . .			\$255.43

## TRUSTEES' REPORT.

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Cash on hand March 1, 1886 . . . . .	\$144.00
Cash received from Treasurer H. S. Kendall, Dec. 7, 1886 . .	16.00
Total . . . . .	\$160.00

Paid to Treasurer by order of the President: —

January 20, 1887 . . . . .	\$50.00
February 9, 1887 . . . . .	75.00
Total . . . . .	\$125.00
Balance in hands of Trustees . . . . .	\$35.00

*Respectfully submitted.*

JAMES SWORDS,	}	<i>Trustees</i>
J. EDWARD HOLLIS,		
SAMUEL ABBOTT, JR.,		

The following letter is self explanatory and similar to others received by the Superintendent.

WHEELER & WILSON MANUFACTURING Co., }  
594 Washington Street. }

BOSTON, June 21, 1886.

CAPTAIN SAMUEL ABBOTT, JR.,

*Supt. Insurance Protective Dept. :*

*Dear Sir :* We thank you for the hard work of yourself and men last night, at the fire in our salesroom ; you saved the insurance companies a large sum, and prevented us the annoyance of moving, and we cannot speak in too high praise of the conduct of your men and the result accomplished.

We are, with great respect,

Very truly yours,

WHEELER & WILSON MFG. CO.

*Geo. W. Brown, Agent.*







H. H. EASTERBROOK

FOURTEENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1887, TO MARCH 1, 1888.

BOSTON:  
PRESS OF L. BARTA & COMPANY,  
54 PEARL STREET.  
1888.



COMPLIMENTS OF



SAMUEL ABBOTT, JR.,

SUPERINTENDENT.

Boston Protective Department.



2

FOURTEENTH

ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1887, TO MARCH 1, 1888.

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BOSTON:  
PRESS OF L. BARTA & COMPANY,  
54 PEARL STREET.  
1888.

APR 23 1910

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4353.53

cont.

9 nos.



# OFFICERS.

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*President :*

JAMES SWORDS.

*Vice-President :*

J. EDWARD HOLLIS.

*Treasurer :*

CHAS. E. GUILD.

*Secretary :*

OSBORNE HOWES, JR.

*Directors :*

TO SERVE UNTIL MARCH, 1890.

THOMAS F. TEMPLE.

J. EDWARD HOLLIS.

HORACE V. FREEMAN.

TO SERVE UNTIL MARCH, 1889.

CHAS. E. GUILD.

N. FOSTER, JR.

EDWARD D. BLAKE.

TO SERVE UNTIL MARCH, 1888.

GEORGE R. ROGERS.

JAMES SWORDS.

FRANK E. SWEETSER.



## REPORT OF THE DIRECTORS.

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BOSTON, March 15, 1888.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT :

*Gentlemen :* In this, the 14th annual report made since the incorporation of the Boston Protective Department, the Directors have to congratulate their fellow-members on the high state of efficiency which has been attained and maintained by the department during the past corporate year. With trifling exceptions no fault has been found with the work which the active force has performed, and the promise is held out that equally satisfactory results will attend the operations of the department during the next twelve months.

The change made a year ago in the scale of pay, while causing, as was anticipated, some increase in the amount of expenses, seems to have justified itself by the entire absence of all trace of dissatisfaction and by the enthusiasm with which the work of the department has been performed. The Directors desire to call the attention of members to the fact that during the past year a claim for damages, caused by a collision of one of the wagons of the Department with a herdic, was brought before the Superior Court, and a verdict obtained against this Department. An appeal was taken to the Supreme Court, and the decision of the latter tribunal upon the exceptions taken has not yet been handed down.

The Directors would call the attention of members to the tabulated statements of fire losses which have been prepared by the Superintendent, and which are to be found in the following pages of this report. The Directors would furthermore recommend,—

First, that the active duties of the department be continued for another year ; and

Second, that the Directors be authorized to expend, for the maintenance of the department during another year, not exceeding \$45,000.

For the Directors,

JAMES SWORDS,

*President.*

## TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

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1887.			
March.	By Cash on hand, Balance . . . . .	\$19,115.20	
	Balance of Assessment (Jan. 1, 1887) collected . . .	5,518.19	
	Six Months' Assessment, to July 1, 1887 . . . . .	19,054.70	
	Six Months' Assessment, to Jan. 1, 1888 . . . . .	20,780.97	
	Interest, Eliot National Bank . . . . .	432.88	
July 21.	Cash for sale of old Covers . . . . .	2.00	
Dec. 16.	Cash for use of Covers . . . . .	12.00	
,, 31.	Cash for sale of old Pung . . . . .	15.00	
1888.			
Feb. 24.	Cash from Proctor Bros. for amount overpaid . . .	36.10	
			<hr/> \$64,967.04

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\$64,967.04

## NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49
March, 1883, to March, 1884 . . . . .	35,177.68
March, 1884, to March, 1885 . . . . .	35,253.10
March, 1885, to March, 1886 . . . . .	37,047.94
March, 1886, to March, 1887 . . . . .	33,833.64
March, 1887, to March, 1888 . . . . .	38,534.07

## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1888.

## To Cash paid:—

Pay Roll . . . . .	\$27,188.34
Rent and Taxes of Houses . . . . .	2,682.80
Hay and Grain . . . . .	733.07
Wagon and Harness Repairs . . . . .	331.84
Two New Sleighs . . . . .	400.00
Storage of Pung . . . . .	24.00
Horse Shoeing . . . . .	238.08
Fuel . . . . .	305.00
Gas . . . . .	311.86
Repairs and Furnishing to Houses . . . . .	599.35
Washing . . . . .	234.52
New Covers . . . . .	1,200.00
Supplies . . . . .	376.07
Telephone Dispatch Co. . . . .	160.00
Automatic Alarm and Repairs . . . . .	309.25
Water Tax . . . . .	62.50
Gas Machines . . . . .	70.00
Sundries . . . . .	167.49
Advertising Annual Meeting . . . . .	34.75
Secretary and Boy, Rent of Rooms and Sundries. . . . .	1,079.05
Printing and Stationery . . . . .	1,015.20
Treasurer . . . . .	600.00
Auditors' Fees . . . . .	30.00
Legal Services . . . . .	350.00
Directors' Meetings . . . . .	96.00
	<hr/> \$38,599.17
Assessments Refunded (paid twice) . . . . .	2.70
Balance due, Assessment of Jan. 1, 1888 . . . . .	8,406.51
Balance, Cash on hand . . . . .	17,958.66
	<hr/> \$64,967.04

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 14, 1888.

Audited and found correct to date.

*Signed,*

HAMMOND VINTON,	} <i>Auditing Committee.</i>
JOHN W. PORTER,	
P. E. EDDY,	

# SUPERINTENDENT'S REPORT.

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HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., No. 5 HAMILTON ST. }  
BOSTON, MARCH 1, 1888.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT :

*Gentlemen :* The subjoined is the Fourteenth Annual Report of this Department, for the year ending March 1, 1888.

The report embraces in the annexed tables the roster of the officers and members of the department, deaths and appointments, a monthly statement of alarms of fires, covers spread, extinguishers used, fire and watch duty performed by the department, together with the amount of insurance and loss paid by insurance companies ; also loss not insured on building and contents ; a comparison of fires, covers spread, insurance, total loss, and loss not insured, for eight years ; a classification of fires and alarms, in months, days of the week, days of the month, and hours of the day, also districts where alarms were given ; a classification of covers spread, and a report of covers condemned and destroyed ; the causes of fires and alarms, the grading of losses for the year, with the aggregate loss, the average loss to each alarm, and average loss to each fire, together with the total fires, loss, and average for each alarm ; a comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss for seven years, commencing January 1, 1881 ; a statement of the insurance, loss paid by insurance companies, per cent. of insurance paid in losses by companies ; loss not insured, total loss, and per cent. of total loss not insured on buildings and contents for seven years, each year commencing January 1, and ending December 31 ; also the total insurance, total loss paid by insurance companies, per cent. of insurance paid in losses by companies ; total loss, and per cent. of total loss not insured for seven years, a schedule of property belonging to the department, together with a list of members injured ; a statement of benefits paid to members of this Department from the Boston Firemen's Relief Fund, also from the Boston Protective Mutual Relief Association on account of sickness ; also a statement of the funds of the B. P. D. M. R. Association in the hands of the trustees.



The organization of the Department continues the same as last year.

Two call members have died during the year, Messrs. Henry E. Malone and Wm. H. Keenan.

Fifty (50) new rubber covers, a pump for Company No. 1, and sleigh for the Superintendent have been purchased.

The horses, wagons, and equipments are in excellent condition.

In conclusion, I desire to express my sincere thanks to President James Swords, Esq., the Board of Directors, and Osborne Howes, Jr., Esq., Secretary of the Board, for their uniform kindness and co-operation, and also to the officers and members of this department for the earnest and faithful manner in which they have performed their duties; also to the Board of Fire Commissioners, Chief of Dept. L. P. Webber and District Chiefs, Superintendent B. S. Flanders of the Fire Alarm Department, and all the officers and members of the Fire Department, together with the officers and members of the Police Department, for their courtesy and assistance at all times.

Respectfully submitted,

SAMUEL ABBOTT, JR.,  
*Superintendent.*



# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 41; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	51	Engineer . . . . .	Wakefield, Mass.	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	38	Fireman . . . . .	2 Holden Row, Charlestown.	12	" "
Driver.	G. W. Thompson . . . . .	52	Driver . . . . .	56 Winthrop St., "	13	" "
Ass't Driver.	A. F. Hall . . . . .	33	Ship Joiner . . . . .	27 Trenton St., "	20	" "
Patrolman.	D. W. Brown . . . . .	36	Clerk . . . . .	21 West Upton St.	41	" "
"	A. T. Osborne . . . . .	31	Machinist . . . . .	39 Ash St.	21	" "
"	C. Schwarm . . . . .	30	Wood Carver . . . . .	76 Hudson St.	14	" "
"	J. T. Fitzgerald . . . . .	28	Clerk . . . . .	44 Fayette St.	16	" "
"	H. W. Kimball . . . . .	29	Clerk . . . . .	14 Charles St., Charlestown.	43	" "
"	J. J. McCarthy . . . . .	35	Clerk . . . . .	9 Knox St.	22	" "
Substitute.	H. E. Thompson . . . . .	30	Painter . . . . .	3 Essex St., Charlestown.	39	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . . .	57	Calker . . . . .	22 Paris Street, East Boston.	17	East Boston District.
"	C. H. Ferrier . . . . .	28	Clerk . . . . .	22 Haverhill St., Charlestown.	18	Charlestown "

COMPANY No. 2. No. 16 Broadway Extension. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff	41	Mason	8 Oak St.	37	Company Quarters.
Lieutenant.	M. F. Packard	44	Mason	48½ Shawmut Ave.	38	"
Driver.	L. M. Hutchins	42	Foreman of Contractors	20 Gray St.	26	"
Ass't Driver.	C. H. Cushing	40	Driver	308 West Second St., So. Boston.	23	"
Patrolman.	J. L. Huff	37	Mason	13 Pine St.	25	"
"	H. S. Kendall	41	Painter	21 Oak St.	24	"
"	S. W. Konimus	34	Paper Hanger	24 Church St.	28	"
"	G. H. Carter	39	Porter	Rear 893 Washington St.	29	"
"	F. O. Hinckley	28	Clockmaker	47 Adams St., Boston Highlands.	27	"
Substitute.	J. W. White	23	Clerk	24 Tyler St.	17	"

CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	P. A. Garcia	31	Clockmaker	198 Dudley St., Boston Highl'ds.	30	Boston Highland Dist.
"	F. C. Byrnes	30	Expressman	835 Fourth St., South Boston.	31	South Boston
"	B. C. Bird	58	Janitor	Highland St., Dorchester.	32	Dorchester
"	G. W. Dalton	47	Blacksmith	Washington St.	33	Dorchester
"	C. A. Wood	45	Carpenter	27 Oakdale St., West Roxbury.	45	West Roxbury
"	J. J. O'Keefe	35	Teamster	Winship St., Brighton.	35	Brighton

DEATHS.

H. E. Malone, Callman, Brighton District, Died March 18, 1887.  
W. H. Keenan, Callman, West Roxbury District, Died July 20, 1887.

APPOINTMENTS.

J. J. O'Keefe . . . . . April 13, 1887.  
C. A. Woods . . . . . August 11, 1887.

# MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Fire and Watch Duty, Insurance and Loss, for the year ending March 1, 1888.

Months.	Alarms.			Covers.		Fire Duty.		Buildings.		Contents.		Losses not Insured.		Total.				
	Bell.	Still.	Automatic.	Extd by oc.	Total.	Spread.	Roof.	Hours.	Minutes.	Hours.	Minutes.	Insurance.	Loss.		Buildings.	Contents.	Insurance.	Loss.
March 1887	46	16	1	63	201	22	3	55	30	135	30	\$189,117.48	\$24,072.89	\$846.00	\$705.00	\$796,802.88	\$61,113.20	
April	56	8	2	66	207	26	1	63	30	207	30	295,810.23	16,906.11	40,315.00	14,505.52	481,300.21	146,021.44	
May	65	12	1	78	64	1	2	57	50	61	1	271,723.50	19,643.70	2,870.00	9,197.95	383,723.50	61,723.08	
June	47	13	1	61	137	5	4	37	55	161	1	141,468.00	18,192.39	6,587.00	5,035.50	287,995.25	62,844.48	
July	72	24	3	99	121	7	5	60	40	323	15	257,150.00	11,800.79	2,275.00	3,585.00	336,975.00	48,606.00	
August	47	7	1	54	79	1	1	49	22	730	1	160,820.00	15,236.96	5,785.00	12,905.00	235,245.00	62,702.77	
Sept.	43	8	1	51	176	1	2	59	25	100	30	271,150.00	11,348.55	2,643.30	20,753.49	393,070.00	57,270.19	
Oct.	40	12	1	52	61	4	1	38	20	118	45	567,763.92	7,911.88	4,039.59	2,951.92	723,763.92	21,733.82	
Nov.	49	15	1	65	136	4	3	62	35	213	1	256,534.94	11,451.75	1,075.00	3,897.92	409,976.88	53,035.49	
Dec.	50	6	3	59	159	6	1	47	50	123	1	262,024.00	10,100.37	1,075.00	3,897.92	438,074.00	53,124.48	
Jan.	74	24	3	101	223	3	6	70	20	306	1	497,392.50	12,442.10	3,320.00	1,070.00	769,272.50	52,255.63	
Feb.	32	13	3	49	74	3	3	46	30	476	30	579,585.00	12,391.13	690.00	4,622.31	1,116,833.07	51,305.63	
Totals	621	158	18	798	1638	83	29	618	55	2486	30	\$4,050,539.97	\$174,498.65	\$70,446.29	\$73,741.61	\$6,440,032.21	\$731,737.21	

Comparison of Fires, Insurance, and Losses for eight years.

Years.

Fires.		Covers Spread.		Insurance.		Total Loss.	
Fires.		Covers Spread.		Insurance.		Total Loss.	
March 1, 1880, to March 1, 1881.	587	1596	\$6,009,756.00	\$4,056,468.00	Loss not Insured.		
March 1, 1881, to March 1, 1882.	521	1364	3,801,564.11	551,068.82	\$56,197.83		
March 1, 1882, to March 1, 1883.	510	1910	5,200,049.83	910,073.69	172,401.59		
March 1, 1883, to March 1, 1884.	648	2948	6,972,141.29	1,100,381.81	163,460.05		
March 1, 1884, to March 1, 1885.	618	2338	6,933,012.21	1,256,944.74	123,389.95		
March 1, 1885, to March 1, 1886.	669	2361	6,371,291.77	1,167,835.28	148,422.58		
March 1, 1886, to March 1, 1887.	662	1572	4,191,491.11	905,080.68	281,344.66		
March 1, 1887, to March 1, 1888.	798	1638	6,440,032.21	731,737.21	159,187.90		

## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1887, TO MARCH 1, 1888.

Months.			Days of the Week.		Days of the Month.		Hours of the Day.	
March, 1887.	63	Monday . . .	139	1	28	Day Service.	6 to 7 A. M.	17
				2	23		7 " 8 "	25
April, "	66	Tuesday . . .	98	3	24		8 " 9 "	21
				4	59		9 " 10 "	25
				5	36		10 " 11 "	32
May, "	78	Wednesday . .	113	6	23		11 " 12 NOON.	26
				7	30		12 " 1 P. M.	30
				8	18		1 " 2 "	32
June, "	61	Thursday . .	131	9	22		2 " 3 "	35
				10	25		3 " 4 "	39
				11	22		4 " 5 "	45
July, "	99	Friday . . .	111	12	25		5 " 6 "	44
				13	27	Night Service.	6 " 7 "	35
				14	25		7 " 8 "	63
August, "	54	Saturday . .	122	15	28		8 " 9 "	58
				16	25		9 " 10 "	56
				17	30		10 " 11 "	39
September, "	51	Sunday . . .	84	18	19		11 " 12 MIDN.	45
				19	23		12 " 1 A. M.	33
				20	27		1 " 2 "	24
October, "	52			21	24		2 " 3 "	22
				22	29		3 " 4 "	18
				23	23		4 " 5 "	20
November, "	65			24	26		5 " 6 "	14
				25	24			
				26	21			
December, "	59			27	22			
				28	30			
				29	29			
January, 1888.	101			30	20			
				31	11			
February, "	49							
Totals . .	798		798		798			798

DISTRICTS WHERE ALARMS WERE GIVEN.

## CLASSIFICATION OF COVERS SPREAD.

27 Fires of 1 Cover . . .	27	2 Fires of 19 Covers . . .	38
28 " " 2 Covers . . .	56	1 Fire " 20 " . . .	20
15 " " 3 " . . .	45	4 Fires " 21 " . . .	84
13 " " 4 " . . .	52	1 Fire " 22 " . . .	22
7 " " 5 " . . .	35	1 " " 25 " . . .	25
7 " " 6 " . . .	42	2 Fires " 26 " . . .	52
8 " " 7 " . . .	56	1 Fire " 30 " . . .	30
1 Fire " 8 " . . .	8	2 Fires " 36 " . . .	72
5 Fires " 9 " . . .	45	1 Fire " 39 " . . .	39
4 " " 10 " . . .	40	1 " " 43 " . . .	43
5 " " 11 " . . .	55	1 " " 47 " . . .	47
2 " " 12 " . . .	24	1 " " 48 " . . .	48
3 " " 13 " . . .	39	1 " " 49 " . . .	49
1 Fire " 14 " . . .	14	1 " " 58 " . . .	58
4 Fires " 15 " . . .	60	1 " " 69 " . . .	69
2 " " 17 " . . .	34	1 " " 77 " . . .	77
6 " " 18 " . . .	108	1 " " 125 " . . .	125
		Total, . . . . .	1,638

## COVERS CONDEMNED AND DESTROYED.



## CAUSES OF FIRES AND ALARMS.

---

Alarms, false . . . . .	39
,, needless . . . . .	20
Assistance, call for . . . . .	1
Ashes, hot, in wooden receptacle . . . . .	13
,, , from pipes . . . . .	19
Attempting to thaw out water pipes . . . . .	11
Boiling over of fat in kettles . . . . .	12
,, , tar in kettles . . . . .	5
,, , turpentine in kettle . . . . .	1
,, , pitch in kettle . . . . .	1
Bonfires . . . . .	2
Brush fires . . . . .	16
Candles, lighted . . . . .	4
,, , curtains ignited by lighted . . . . .	2
Chimney fires . . . . .	20
Cigar stubs, lighted . . . . .	6
,, , , in wooden spittoons filled with sawdust . . . . .	3
,, , , on awning . . . . .	1
,, , , on mattress . . . . .	1
,, , , on straw . . . . .	1
,, , , on rubbish . . . . .	1
Cigarettes, lighted . . . . .	2
Defective fire-places . . . . .	5
,, set furnace . . . . .	1
,, chimneys . . . . .	17
,, range . . . . .	1
Did not find the fire . . . . .	1
Dirt in register igniting . . . . .	2
Explosion of steam boiler . . . . .	1
,, , oil still . . . . .	1
,, , gasoline lamp . . . . .	1
,, , naphtha lamp . . . . .	1
Electric light wires, overcharged . . . . .	8
Exhibition of Fire Department . . . . .	1
Fires, re-kindling . . . . .	6
Fire, insane person setting a . . . . .	1
Fire-crackers . . . . .	33
Fire-works . . . . .	6

Fire to fumigate furs . . . . .	1
Friction in picking machine . . . . .	1
„ of belting . . . . .	1
Gas, igniting from a fire under a boiler . . . . .	1
Gas jets . . . . .	2
„ „ igniting curtains . . . . .	9
„ „ „ goods . . . . .	3
„ „ „ woodwork . . . . .	1
„ leakage, attempting to find . . . . .	6
„ stove, lighted . . . . .	1
Hot iron . . . . .	2
„ coals . . . . .	1
„ carbons . . . . .	1
„ pressing iron igniting a hat . . . . .	1
„ stove, paint pot on . . . . .	1
„ „ clothing igniting from a . . . . .	1
„ „ rags „ „ . . . . .	1
„ „ jute „ „ . . . . .	1
„ slug . . . . .	1
Heating apparatus in hot houses . . . . .	2
Incendiary, supposed . . . . .	44
Kerosene-oil, attempting to kindle a fire with . . . . .	1
„ lamp . . . . .	1
„ lamps, explosion of lighted . . . . .	20
„ „ breaking „ . . . . .	35
„ „ igniting curtains . . . . .	2
„ „ „ cotton . . . . .	1
„ „ „ clothing . . . . .	2
„ „ „ woodwork . . . . .	1
„ stoves, attempting to fill lighted . . . . .	2
„ stove . . . . .	1
„ stoves, upsetting lighted . . . . .	8
„ still, leakage of . . . . .	1
Matches . . . . .	16
„ children playing with . . . . .	57
„ igniting curtains . . . . .	3
„ thrown on clothing in closet . . . . .	22
„ „ sawdust . . . . .	2
„ „ can of benzine . . . . .	1
„ „ hay . . . . .	2
„ „ rubbish . . . . .	11
„ „ straw . . . . .	2
„ „ waste paper . . . . .	12
„ „ bedding . . . . .	3
„ „ oily floor . . . . .	5
„ „ lounge . . . . .	2
„ „ netting . . . . .	1



„	„	basket of clothing	2
„	„	feathers	1
„		falling on a hot stove	1
„		rat and	3
„		squirrel and	1
Overheated		hot-air pipes	2
„		stoves	13
„		stove funnels	10
„		salt dryer	1
„		chimneys	9
„		iron flue	1
„		range	1
„		roaster	1
„		oven	1
Paper in		funnel hole	1
Rags	„	„	1
Railroad		accidents	2
Soot in		fire-place	1
Spontaneous		combustion	14
„	„	of oily rags	8
„	„	of sawdust and oil	2
„	„	of oily waste	1
„	„	of wool waste	1
„	„	of coal	2
„	„	of chemicals	1
Sparks from		chimneys	16
„	„	fire boxes	7
„	„	stoves	3
„	„	brush fires	2
„	„	steam fire engines	2
„	„	forges	2
„	„	locomotives	2
„	„	another fire	1
„	„	meat smoking machine	1
„	„	a smelting furnace	1
„	„	a fire under a tar kettle	1
„	„	a flinty substance in maple wood, while being sawed	1
Sulphur fire, igniting		mattress while fumigating	1
Torch, lighted			1
Unknown			107
Vapor from		naphtha	4
„	„	alcohol	1
Wood on		furnace igniting	1
Total			798

## GRADE OF LOSSES.

*Grade of losses, for the year 1887, commencing January 1, and ending December 31.*

		Aggregate.	Average.
294	Fires with no loss.		
197	" " loss under \$100 . . . . .	\$7,880.26	\$40.00
115	" " " from \$100 to \$500 . . . . .	24,589.65	213.82
51	" " " " \$500 to \$1,000 . . . . .	34,746.32	681.30
65	" " " " \$1,000 to \$5,000 . . . . .	147,622.45	2,271.11
16	" " " " \$5,000 to \$10,000 . . . . .	114,896.03	7,181.00
6	" " " " \$10,000 to \$15,000 . . . . .	73,947.32	12,324.55
	Over \$15,000, as follows :—		
1	Fire March 18, Nos. 569 to 583 Washington St., M. C. Clark's . . . . .	22,014.35	\$286,772.08
1	" April 6, Nos. 96 to 102 Milk St., Wright & Potter Printing Co. . . . .	85,508.94	
1	" " 28, West Fifth, cor. L street, South Boston District, Gaston School . . . . .	41,500.00	
1	" May 17, No. 4 Park Street . . . . .	19,392.06	
1	" " 23, Nos. 410 to 414 Border Street, East Boston District, Bennett & Towle's . . . . .	17,912.00	
1	" June 10, Nos. 417 to 425 Medford Street, Charlestown District, Stearns Furniture Co. . . . .	22,280.06	
1	" " 15, Bowdoin Street, Dorchester District, St. Mary's Episcopal Church . . . . .	18,345.00	
1	" August 14, No. 170 Border Street, East Boston District, McQuesten & Co. . . . .	21,843.00	
1	" September 8, Codman Street, Dorchester District, Adam Law's Furniture Mfg. . . . .	20,533.30	
1	" Nov. 6, Nos. 2341 to 2345 Washington Street, Boston High'd Dist., H. S. Lawrence, clothing . . . . .	17,443.37	28,677.20
754		\$690,454.11	\$915.72

The 460 fires where there was a loss, the average was \$1,500.98.

*Comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss; for seven years, commencing January 1, 1881.*

Year.	Total Fires.	Total Fires with Loss.	Total Loss.	Average Loss of Total Fires.	Average loss of total fires with loss.
1881	558	344	\$467,105.28	\$837.10	\$1,357.86
1882	502	329	958,835.88	1,910.03	2,914.39
1883	641	371	1,132,982.18	1,767.52	3,053.86
1884	633	398	1,101,253.60	1,739.73	2,766.96
1885	655	397	1,232,255.05	1,881.30	3,103.91
1886	687	448	1,089,196.05	1,585.43	2,431.24
1887	754	460	690,454.11	915.72	1,500.98
	4,430	2,747	\$6,672,082.69	\$1,506.11	\$2,428.86

Statement of the insurance; loss paid by companies; per cent. of insurance paid in losses by companies; loss not insured; total loss, and per cent. of total loss not insured on buildings and contents; for seven years, each year commencing January 1, and ending December 31; also the total insurance; total loss paid by companies; per cent. of insurance paid in losses by companies; total loss, and per cent. of total loss not insured; for seven years.

### BUILDINGS.

Year.	Insurance.	Loss Paid by Companies.	Per cent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$2,307,064.38	\$115,612.03	05.01	\$14,888.01	\$130,500.04	11.40
1882	2,405,529.94	159,246.42	06.62	26,271.67	185,518.09	14.16
1883	3,856,784.88	334,981.10	08.68	23,478.10	358,459.20	07.00
1884	3,227,819.93	189,168.83	05.86	28,022.40	217,191.23	14.81
1885	3,070,687.86	221,801.75	07.22	24,240.96	246,042.71	09.85
1886	2,733,588.56	275,269.13	10.06	136,800.13	412,069.26	33.19
1887	3,290,462.47	171,871.93	05.22	68,206.29	240,078.22	28.41
Total,	\$20,891,938.02	\$1,467,951.19	07.03	\$321,907.56	\$1,789,858.75	17.98

### CONTENTS.

Year.	Insurance.	Loss Paid by Companies.	Per cent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$1,598,163.23	\$304,792.58	19.07	\$31,813.20	\$336,605.78	09.45
1882	2,475,362.73	622,795.39	25.16	150,522.40	773,317.79	19.46
1883	2,742,409.07	596,324.39	21.74	178,198.59	774,522.98	23.00
1884	4,244,172.75	781,134.46	18.40	102,927.91	884,062.37	11.64
1885	2,992,044.37	900,648.20	30.10	85,564.14	986,212.34	08.67
1886	2,270,318.15	499,804.78	22.01	177,322.01	677,126.79	26.18
1887	1,886,074.17	369,067.09	19.57	81,308.80	450,375.89	18.05
Total,	\$18,208,544.47	\$4,074,566.89	22.38	\$807,657.05	\$4,882,223.94	16.54

### TOTAL.

Year.	Total Insurance on Buildings and Contents.	Total Loss on Buildings and Contents paid by Companies.	Per cent. of total Insurance paid in losses by Co's.	Total Loss on Buildings and Contents.	Per cent. of Total Loss to Insurance.
1881	\$3,905,227.61	\$420,404.61	10.76	\$467,105.82	11.96
1882	4,880,892.67	782,041.81	16.02	958,835.88	19.64
1883	6,599,193.95	931,305.49	14.11	1,132,982.18	17.16
1884	7,471,992.68	970,303.29	12.98	1,101,253.60	14.73
1885	6,062,732.23	1,122,449.95	18.51	1,232,255.05	20.32
1886	5,003,906.71	775,073.91	15.48	1,089,196.05	21.76
1887	5,176,536.64	540,939.02	10.45	690,454.11	13.34
Total,	\$39,100,482.49	\$5,542,518.08	14.17	\$6,672,082.69	17.06

## SCHEDULE OF PROPERTY

OWNED BY THE DEPARTMENT AND CONTAINED IN HOUSES NOS. ONE AND  
TWO, AND IN THE OUTLYING DISTRICTS.

---

Horses . . . . .	6
Wagons "complete" . . . . .	2
Pungs           ,, . . . . .	2
Wagon for superintendent . . . . .	1
Sleighs   ,,           ,, . . . . .	2
Rubber Covers . . . . .	433
Canvas   ,,   for roofs . . . . .	4
Fire Extinguishers (2 unsafe) . . . . .	6
Life Saving Blankets . . . . .	2
Sets of patent double harnesses, "new" . . . . .	2
,,       ,,       ,,       ,,       "old" . . . . .	2
Single harnesses . . . . .	3
Wagon poles "extra" . . . . .	2
Wheels "extra" . . . . .	2
Whiffletrees "extra" . . . . .	5
Bedsteads with bedding . . . . .	23
Mantel bedsteads with bedding . . . . .	2
Billiard table "complete" . . . . .	1
Helmets . . . . .	30
Necessary tools and equipments.	
,,       stable equipments.	
,,       extra parts of harnesses.	
,,       house furniture and fixtures.	
,,       telegraph apparatus.	
,,       gas fixtures.	
,,       supplies.	
,,       stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

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## ACCIDENTS

To Members of the Department from March 1, 1887, to March 1, 1888.

1887.

- August 5. Patrolman S. W. Ronimus, severe sprain of the ankle.  
 ,, 25. Patrolman F. O. Hinckley, injured by falling through a hole  
           in the floor.  
 October 28. Acting substitute Samuel Abbott, 3d, injured by falling  
           through an open hatchway.

## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by the Trustees of the Boston Firemen's Relief Fund to sick and disabled members of the Boston Protective Department, during the year from March 1, 1887, to March 1, 1888 :—

Patrolman S. W. Ronimus,	May 7, 1887	. . . . .	\$75.00
"    "    "    "	June 21, "	. . . . .	71.00
"    "    "    "	Nov. 5, "	. . . . .	92.00
Callman H. E. Malone,	Mar. 11, "	. . . . .	60.50
"    "    "    "	Mar. 18, "	Funeral Exp. .	100.00
Patrolman H. W. Kimball,	July 26, "	. . . . .	5.50
"    A. T. Osborne,	Nov. 5, "	. . . . .	17.00
"    Geo. W. Thompson,	April 29, "	. . . . .	16.00
Callman W. H. Keenan,	April 8, "	. . . . .	40.00
"    "    "    "	May 17, "	. . . . .	50.00
"    "    "    "	June 21, "	. . . . .	52.00
"    "    "    "	July 21, "	Funeral Exp. .	100.00
"    "    "    "	July 26, "	. . . . .	93.86
Patrolman D. W. Brown,	April 29, "	. . . . .	11.00
Callman Geo. W. Dalton,	July 26, "	. . . . .	24.25
Patrolman Geo. H. Carter,	Oct. 25, "	. . . . .	67.00
"    "    "    "	Dec. 5, "	. . . . .	50.00
"    "    "    "	Jan. 11, 1888	. . . . .	50.00
"    "    "    "	Feb. 20, "	. . . . .	61.25
"    J. L. Huff,	Nov. 5, 1887	. . . . .	122.00
Callman C. H. Ferrier,	Jan. 11, 1888	. . . . .	21.00
Total . . . . .			\$1,179.36



## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

The following amounts have been paid by Treasurer H. S. Kendall, to sick and disabled members of this department, during the year, from March 1, 1887, to March 1, 1888.

Patrolman	Geo. W. Thompson,	March 3, 1887	.	.	.	\$ 6.00
Callman	H. E. Malone,	" 4	"	.	.	6.00
Patrolman	S. W. Ronimus,	" 6	"	.	.	6.00
"	" "	" 13	"	.	.	6 00
Callman	H. E. Malone,	" 18	"	.	.	12.00
"	W. H. Keenan,	" 21	"	.	.	12.00
Patrolman	D. W. Brown,	" 28	"	.	.	6.00
Callman	W. H. Keenan,	April 7	"	.	.	12.00
"	Geo. W. Dalton,	" 22	"	.	.	6.00
"	" "	" 29	"	.	.	6.00
Patrolman	S. W. Ronimus,	" 13	"	.	.	24.00
Callman	W. H. Keenan	May 9	"	.	.	24.00
Patrolman	S. W. Ronimus,	" 13	"	.	.	24.00
Callman	W. H. Keenan,	June 7	"	.	.	24.00
Patrolman	S. W. Ronimus,	" 13	"	.	.	24.00
Callman	W. H. Keenan,	July 20	"	.	.	24.00
Patrolman	S. W. Ronimus,	" 22	"	.	.	6.00
"	" "	Aug. 3	"	.	.	12.00
Callman	Chas. H. Ferrier,	Sept. 20	"	.	.	10.00
Patrolman	F. O. Hinckley,	Oct. 3	"	.	.	15.00
"	G. H. Carter,	" 7	"	.	.	5.00
"	" "	" 24	"	.	.	25.00
"	" "	Nov. 11	"	.	.	10.00
"	" "	Dec. 3	"	.	.	20.00
"	" "	" 31	"	.	.	5.00
"	A. F. Hall,	Jan. 9, 1888	.	.	.	10.00
"	" "	Feb. 6	"	.	.	10.00
"	" "	" 13	"	.	.	5.00
"	Geo. W. Thompson,	" 24	"	.	.	5.00
Total . . . . .						<u>\$360.00</u>

## TRUSTEES' REPORT.

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Cash on hand March 1, 1887 . . . . .	\$ 35.00
Paid to Treasurer by order of the President:—	
October 24, 1887 . . . . .	25.00
Balance in hands of Trustees . . . . .	<u>\$10.00</u>

*Respectfully submitted,*

JAMES SWORDS,	}	<i>Trustees.</i>
J. EDWARD HOLLIS,		
SAMUEL ABBOTT, JR.,		

Boston, Feb. 29, 1888.









FIFTEENTH  
ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1888, TO MARCH 1, 1889.

---

BOSTON:  
PRESS OF L. BARTA & COMPANY,  
54 PEARL STREET.  
1889.









FIFTEENTH

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---

BOSTON:  
PRESS OF L. BARTA & COMPANY,  
54 PEARL STREET.  
1889.

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9 nos.

# OFFICERS.

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*President :*

J. EDWARD HOLLIS.

*Vice-President :*

GEO. R. ROGERS.

*Treasurer :*

CHAS. E. GUILD.

*Secretary :*

OSBORNE HOWES, JR.

*Directors :*

TO SERVE UNTIL MARCH, 1889.

CHAS. E. GUILD.

N. FOSTER, JR.

EDWARD D. BLAKE.

TO SERVE UNTIL MARCH, 1890.

THOMAS F. TEMPLE.

J. EDWARD HOLLIS.

HORACE V. FREEMAN.

TO SERVE UNTIL MARCH, 1891.

GEORGE R. ROGERS.

FRANCIS H. STEVENS.

GEO. P. FIELD.



# REPORT OF THE DIRECTORS.

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BOSTON, March 13, 1889.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT :

*Gentlemen:* The fifteenth year during which the Boston Protective Department has been in active operation as a corporation, ends with the approaching annual meeting, and in looking back over the service performed during this long period of time, the Directors feel convinced that the members must find many causes for satisfaction in the effective work which this organization has performed. During the past year nothing of special moment has occurred in the regular work of the organization, the record of each month simply showing efficient work performed by the men whenever a call has been made upon them for active service.

In their last annual report, the Directors called the attention of the members to a claim for damages which had been brought against the department, in consequence of a collision of one of the wagons of the department with a herdic. The Superior Court had then given a verdict against the department, and from this an appeal had been taken to the Supreme Court. At that time the decision of the latter tribunal had not been given. Since then, the decision referred to has been handed down, sustaining the exceptions taken in the first trial by the counsel of the department. On a new trial in the Superior Court, a verdict was obtained against this department, and again the matter has been carried to the Supreme Court on what seemed to be valid exceptions. However, as the judgment against the department may be confirmed, it is considered necessary by the Directors to keep on hand a sufficient sum of money to pay this and the legal expenses that have been incurred.

The Directors would call the attention of members to the tabulated statements of fire losses prepared by the Superintendent, and given in the following pages, which contain a great deal of valuable information.

They would furthermore recommend :

First, that the active duties of the department be continued for another year ; and

Second, that the Directors be authorized to expend for the maintenance of the department during another year, not exceeding \$45,000.

For the Directors, J. EDWARD HOLLIS, *President*.

# TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

---

1888,		
March.	By Cash on hand, Balance . . . . .	\$17,958.66
	Balance due Assessment of January 1, 1888 . . . . .	8,406.51
	Six Months' Assessment to July 1, 1888 . . . . .	20,697.61
	Six Months' Assessment to January 1, 1889 . . . . .	19,639.67
	Interest, Eliot National Bank . . . . .	443.80
	Cash received for Watch Duty . . . . .	271.57
	Cash received for sale of old Carpet, etc. . . . .	4.82
	Cash received for use of Covers . . . . .	4.00
	Cash received from N. Ward & Co., for Horse . . . . .	1.00
		\$67,427.64

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\$67,427.64

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### NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49
March, 1883, to March, 1884 . . . . .	35,177.68
March, 1884, to March, 1885 . . . . .	35,253.10
March, 1885, to March, 1886 . . . . .	37,047.94
March, 1886, to March, 1887 . . . . .	33,833.64
March, 1887, to March, 1888 . . . . .	38,534.07
March, 1888, to March, 1889 . . . . .	39,861.16

## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1889.

## To Cash paid:—

Pay Roll . . . . .	\$27,834.29	
Rent and Taxes of Houses . . . . .	2,681.40	
Hay and Grain . . . . .	714.59	
Wagon and Harness Repairs . . . . .	347.77	
Purchase and Hire of Horse, Veterinary, etc. . . . .	587.00	
New Wagon for Superintendent . . . . .	201.00	
Horse Shoeing . . . . .	267.00	
Fuel . . . . .	236.50	
Gas . . . . .	222.69	
Repairs and Furnishings to Houses . . . . .	728.50	
Washing . . . . .	234.29	
New Covers and Repairs . . . . .	664.55	
Supplies . . . . .	463.57	
Telephone Dispatch Co. . . . .	160.00	
Automatic Alarm and Repairs . . . . .	94.25	
Purchase of two Extinguishers . . . . .	60.00	
Water Tax . . . . .	62.50	
Sundries . . . . .	194.16	
Advertising Annual Meeting . . . . .	38.50	
Secretary and Boy, Rent of Rooms and Sundries . . . . .	1,023.37	
Printing and Stationery . . . . .	1,415.62	
Treasurer . . . . .	600.00	
Auditors' Fees . . . . .	30.00	
Legal Services . . . . .	900.00	
Collision Damages . . . . .	300.00	
Directors' Meeting . . . . .	81.00	
	<hr/>	\$40,142.55
Assessments Refunded (paid twice) . . . . .		81.65
Assessment of January 1, 1888, shown as un-		
collected in last account . . . . .	8,406.51	
Should have been . . . . .	8,364.62	
	<hr/>	
Difference . . . . .		41.89
Total Assessment (January 1, 1888), as shown by		
printed sheet, in error, should be \$20,739.08 in-		
stead of \$20,780.97.		
Assessment of July 1, 1888, not collected, (duplicate		
returns) . . . . .		8.97
Balance due, Assessment January 1, 1889 . . . . .		5,661.89
Balance, Cash on hand . . . . .		21,490.69
		<hr/>
		\$67,427.6

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 11, 1889.

Audited and found correct to date.

*Signed,*

HAMMOND VINTON,	}	<i>Auditing Committee.</i>
JOHN W. PORTER,		
P. E. EDDY,		



# SUPERINTENDENT'S REPORT.

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HEAD-QUARTERS BOSTON PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., No. 5 HAMILTON ST. }

BOSTON, MARCH 1, 1889.

TO THE PRESIDENT AND DIRECTORS OF THE DEPARTMENT :

*Gentlemen :* The subjoined is the Fifteenth Annual Report of this Department, for the year ending March 1, 1889.

The report embraces in the annexed tables the roster of the officers and members of the department, resignations, dismissals, and appointments, a monthly statement of alarms of fires, covers spread, extinguishers used, fire and watch duty performed by the department. A monthly statement of the amount of insurance and loss paid by insurance companies ; also loss not insured on building and contents ; a comparison of fires, covers spread, insurance, total loss, and loss not insured, for nine years ; a classification of fires and alarms, in months, days of the week, days of the month, and hours of the day, also districts where alarms were given ; a classification of covers spread, and a report of covers condemned and destroyed ; the causes of fires and alarms, the grading of losses for the year, with the aggregate loss, the average loss to each alarm, and average loss to each fire, together with the total fires, loss, and average for each alarm ; a comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss for eight years, commencing January 1, 1881 ; a statement of the insurance, loss paid by insurance companies, per cent. of insurance paid in losses by companies ; loss not insured, total loss, and per cent. of total loss not insured on buildings and contents for eight years, each year commencing January 1, and ending December 31 ; also the total insurance, total loss paid by insurance companies, per cent. of insurance paid in losses by companies ; total loss, and per cent. of total loss not insured for eight years, a schedule of property belonging to the department, together with a

list of members injured ; a statement of benefits paid to members of this Department from the Boston Firemen's Relief Fund, also from the Boston Protective Mutual Relief Association on account of sickness ; also a statement of the funds of the B. P. D. M. R. Association in the hands of the trustees.

### ORGANIZATION.

The organization of the department consists of 1 superintendent, 2 captains, 2 lieutenants, 15 patrolmen, 2 substitutes, and 10 callmen, being the same as last year, except the appointment (November 19, 1888) of one additional callman, who was assigned for duty on Ladder Co. 16, Roslindale, West Roxbury.

### RESIGNATIONS, DISMISSALS, AND APPOINTMENTS.

Callman Benj. C. Bird, resigned November 1, 1888 ; substitute J. W. White, dismissed December 21, 1888 ; E. Fruean. Jr., appointed callman November 1, 1888, vice Benj. C. Bird, resigned ; S. S. Bearse, appointed callman November 19, 1888 ; Sam'l Abbott, 3d, appointed substitute January 10, 1889, vice J. W. White, dismissed.

### WAGONS, HORSES, AND EQUIPMENTS.

The wagons, horses, and equipments are in good condition. Owing to one of Company Two's horses becoming totally unfit for use, he was killed, and on October 21, 1888, a horse was purchased ; a buggy for use of the superintendent, twenty-five (25) rubber covers, and two (2) small portable extinguishers were purchased.

### HOUSES.

During the year the houses of the Department have been repainted and partially refurnished.

### OFFICERS AND MEN.

The officers and men have performed their arduous duties with zeal and efficiency, for which I am gratified to acknowledge the same.

## FIRE ALARMS.

It will be seen that the statement of fires and alarms for this year exhibits the largest number ever tabulated, being eight hundred and nineteen, an increase of two hundred and thirty-two, as compared with the year 1881, which was five hundred and eighty-seven.

## SERVICE PERFORMED.

668 5-6 hours of fire service, 2,291 $\frac{1}{3}$  hours of watch duty, and 24 $\frac{1}{4}$  hours of protecting buildings and contents from storm, an equivalent of 125 days, 8 hours, and 25 minutes of continual service, will convey some idea of the labor of the department. Of the 2,291 $\frac{1}{3}$  hours watch duty, 543 hours were paid for (at the rate of 50 cents per hour) by the insurance companies interested, amounting to \$271.50.

## COVERS.

2,292 covers were used in covering goods at fires, 121 covers on goods, and 57 covers on roofs, to protect the buildings and contents after fires from additional damage by storms; making a total of 2,470 covers used, it being next to the largest number used in any year, the largest occurring in the year 1883 when 2,948 covers were used. Only those who have attended a fire during the time the Department was at work can realize the endurance required. It is necessary for this department, in order to do efficient service, to arrive at the fire before the first engine company has an opportunity to use water. Upon arriving at the fire the department, with the greatest celerity, proceeds to cover the goods, oftentimes being required to carry one or more covers on their shoulders, up four or five stories amid thick smoke and hot water, spreading them over the goods, again descending the stairs for an additional supply, and returning and repeating the operation until the goods are thoroughly covered; all this must be done with rapidity, otherwise the labor is valueless. After the fire is extinguished then comes the labor of removing the water and debris from the building, or to such place as to prevent further damage. The covers are then removed from the goods where the water has ceased dripping, and if it be machinery it is oiled to prevent the dampness from rusting it. If a great quantity of water is required to extinguish the fire, the drain pipes must be broken in order to remove the

water, and in some cases, owing to old-fashioned plug drains (where the height of tide must be considered), or where the drain pipes enter the cellar above the level of the floor, application is made to the chief of fire department for use of one or more syphons, which has in every case been cheerfully granted.

While it is a matter of conjecture entirely as to the value of property saved by the use of covers, yet if an average of \$17.50 value per cover was saved, it would pay the expenses of the department for the past year. Many cases could be cited where the saving by a single cover has been considerably in excess of that amount.

### INSURANCE AND LOSSES.

The amount of insurance involved for the year 1888 is in excess of any year ever presented, being \$8,066,738.23. The loss sustained by the insurance companies is \$943,130.91, divided as follows :

Insurance on buildings . . . . .	\$4,492,935.42 $\frac{1}{3}$
Loss on buildings . . . . .	227,933.85 $\frac{1}{3}$
Insurance on contents . . . . .	3,573,802.80 $\frac{2}{3}$
Loss on contents . . . . .	715,197.05 $\frac{2}{3}$

### CAUSES OF FIRES AND ALARMS.

The following is a condensed statement of fires and alarms :

Assistance, call for . . . . .	1
Buildings, defective . . . . .	30
Carelessness . . . . .	239
Electricity . . . . .	8
Gas . . . . .	34
Incendiary, supposed . . . . .	37
Kerosene oil . . . . .	87
Lightning . . . . .	1
Matches . . . . .	110
Needless . . . . .	79
Sparks . . . . .	40
Spontaneous combustion . . . . .	32
Unknown . . . . .	111
Vapors . . . . .	10
<b>Total . . . . .</b>	<b>819</b>



**FIRE DEPARTMENT.**

Between the Protective and Fire departments the same cordial feelings continue to exist, thereby increasing the efficiency of both departments.

**CONCLUSION.**

I desire to express my sincere thanks to President J. Edward Hollis, Esq., the Board of Directors, and Osborne Howes, Jr., Esq., Secretary of the Board, for their uniform kindness and co-operation, and also to the officers and members of this department for the earnest and faithful manner in which they have performed their duties; also to the Board of Fire Commissioners, Chief of Dept. L. P. Webber and District Chiefs, Superintendent B. S. Flanders of the Fire Alarm Department, Superintendent H. R. Demary of the Fire Department Repair Shop, and all the officers and members of the Fire Department, together with the officers and members of the Police Department, for their courtesy and assistance at all times.

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Superintendent.*



# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 42; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . . .	53	Engineer . . . . .	1670 Washington St.	11	Company Quarters.
Lieutenant.	S. E. Smith . . . . .	39	Fireman . . . . .	31 Pearl St., Charlestown.	12	" "
Driver.	G. W. Thompson . . . . .	53	Driver . . . . .	56 Winthrop St., Charlestown.	13	" "
Ass't Driver.	A. F. Hall . . . . .	34	Ship Joiner . . . . .	385 Meridian St., East Boston.	20	" "
Patrolman.	D. W. Brown . . . . .	37	Clerk . . . . .	151 W. Brookline St.	41	" "
"	A. T. Osborne . . . . .	32	Machinist. . . . .	70 Oak St.	21	" "
"	C. Schwarm . . . . .	31	Wood Carver . . . . .	262 Broadway, South Boston.	14	" "
"	J. T. Fitzgerald . . . . .	29	Clerk . . . . .	334 Tremont St.	16	" "
"	H. W. Kimball . . . . .	30	Clerk . . . . .	67 Shawmut Ave.	43	" "
"	J. J. McCarthy . . . . .	36	Clerk . . . . .	9 Knox St.	22	" "
Substitute.	H. E. Thompson . . . . .	31	Painter . . . . .	30 Essex St., Charlestown.	39	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for duty.
Callman.	J. E. Thayer . . . . .	58	Calker . . . . .	22 Paris St., East Boston.	17	East Boston District.
"	C. H. Ferrier . . . . .	29	Clerk . . . . .	72 Russell St., Charlestown.	18	Charlestown "



## COMPANY NO. 2.

## NO. 16 BROADWAY EXTENSION.

## PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	J. H. Huff	42	Mason	8 Oak St.	37	Company Quarters.
Lieutenant.	M. F. Packard	45	Mason	48½ Shawmut Ave.	38	"
Driver.	I. M. Hutchins	43	Foreman of Contractors	20 Gray St.	26	"
Ass't Driver.	C. H. Cushing	41	Driver	216 Broadway, So. Boston.	23	"
Patrolman.	J. L. Huff	38	Mason	13 Pine St.	25	"
"	H. S. Kendall	42	Painter	14 Taylor St.	24	"
"	S. W. Ronimus	35	Paper Hanger	356 Tremont St.	28	"
"	G. H. Carter	40	Porter	Rear 893 Washington St.	29	"
"	F. O. Hinkle	29	Clockmaker	47 Adams St., Boston Highlands.	27	"
Substitute.	Samuel Abbott, 3d	21	Fireman	84 Dover St.	36	"

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	P. A. Garcia	32	Clockmaker	198 Dudley St., Boston Highl'ds.	30	Boston Highland Dist.
"	F. C. Byrnes	31	Expressman	835 Fourth St., So. Boston.	31	So. Boston
"	E. Fruean	23	Tinsmith	Upham Court, Dorchester.	32	Dorchester
"	G. W. Dalton	48	Blacksmith	Washington St.	33	Dorchester
"	C. A. Wood	46	Carpenter	250 Lamartine St., W. Roxbury.	45	West Roxbury
"	J. J. O'Keefe	36	Teamster	Winship St., Brighton.	35	Brighton
"	S. S. Bearse	24	Teamster	Poplar St., West Roxbury.	0	West Roxbury

## Appointments.

E. Fruean, Callman, Dorchester District, Nov. 1st, 1888.  
S. S. Bearse, Callman, West Roxbury District, Nov. 19th, 1888.  
Samuel Abbott, 3d, Permanent Substitute, Jan. 10th, 1889.

## Resigned.

Benj. C. Bird, Callman, Dorchester District,  
Nov. 1st, 1888.

## Dismissed.

J. W. White, Permanent Substitute, Dec. 21st, 1888.

## MONTHLY STATEMENT

Of Alarms of Fire, Covers Spread, Extinguishers Used, Fire, Watch, and Extra Duty Performed for the Year Ending March 1, 1889.

Months.	Alarms.					Covers.		Extinguishers used.	Fire Duty.		Watch Duty.		Extra Duty.		
	Bell.	Still.	Automatic.	Ext. by occ.	Total.	Spread.	Roof.		Hours.	Minutes.	Hours.	Minutes.	Hours.	Minutes.	Covers used.
March, 1888	47	19	1	2	69	286	10	2	57	—	386	30	14	—	33
April, „	58	7	1	0	66	164	1	4	57	15	172	15	1	45	7
May, „	40	4	2	1	47	200	9	1	41	25	488	50	3	30	81
June, „	42	11	3	1	57	156	7	3	44	25	44	15	0	0	0
July, „	85	25	2	0	112	84	7	3	61	05	76	30	0	0	0
August, „	45	9	1	0	55	73	0	2	43	10	73	30	0	0	0
Sept., „	46	6	1	0	53	129	0	0	54	55	102	15	0	0	0
October, „	48	15	2	0	65	184	4	1	64	20	142	20	0	0	0
Nov., „	56	18	2	0	76	295	4	6	62	40	212	40	5	0	0
Dec., „	61	20	3	0	84	259	9	2	61	25	310	30	0	0	0
Jan., 1889	47	15	1	0	63	108	0	0	51	55	62	—	0	0	0
Feb., „	56	14	2	0	72	354	6	7	69	15	219	45	0	0	0
Total,	631	163	21	4	819	2,292	57	31	668	50	2,291	20	24	15	121

Comparison of Fires, Covers Spread, Fire and Watch Duty performed for nine years, each year commencing March 1 and ending the last day of February.

Years.	Fires.	Covers spread.	Fire Duty.		Watch Duty.	
			Hrs.	Min.	Hrs.	Min.
1880	587	1,596	561	10	886	30
1881	521	1,364	670	00	1,508	30
1882	510	1,910	692	40	1,432	15
1883	648	2,948	966	50	2,479	30
1884	648	2,338	622	55	3,433	45
1885	669	2,361	662	55	3,292	10
1886	662	1,572	525	55	1,472	50
1887	798	1,638	648	55	2,486	30
1888	819	2,292	668	50	2,291	20

# MONTHLY STATEMENT

Of Insurance and Loss on Buildings, Contents, Rents, and Wharfs for the year ending March 1st, 1889.

Months.	Buildings.		Contents.		Losses not Insured.		Total.		Rents.		Wharfs.	
	Insurance.	Loss.	Insurance.	Loss.	Buildings.	Contents.	Insurance.	Loss.	Insurance.	Loss.	Insurance.	Loss.
March . 1888	\$560,985.25	\$30,006.90	\$450,748.77	\$97,105.66	\$1,950.75	\$22,691.25	\$1,011,734.02	\$151,754.56	\$.....	\$.....	\$.....	\$.....
April . "	196,041.66	34,794.00	242,670.00	91,082.70	825.00	3,590.05	438,711.66	130,294.75	.....	.....	.....	.....
May . "	519,913.00	15,765.50	225,320.00	66,055.56	.....	1,925.00	745,233.00	83,746.06	4,000.00	351.25	.....	.....
June . "	370,253.00	12,570.36	160,400.00	43,844.81	.....	1,241.90	530,653.00	57,782.07	.....	.....	.....	.....
July . "	251,704.56	12,579.59	149,207.40	16,046.37	1,227.00	602.00	400,911.96	30,454.96	.....	.....	.....	.....
Aug . "	136,837.50	7,221.23	127,012.50	12,999.26	2,05.00	986.25	263,850.00	21,411.74	.....	.....	750.00	287.00
Sept. . "	193,025.00	27,173.61	282,275.00	66,789.34	2,533.65	15,205.49	475,300.00	111,702.09	.....	.....	7,000.00	768.00
Oct. . "	253,803.33	21,095.61	427,928.70	125,968.28	1,188.66	16,227.11	681,732.04	164,477.68	.....	.....	.....	.....
Nov. . "	526,744.62	22,209.69	477,450.00	80,115.57	50.00	3,296.57	1,004,194.62	105,671.83	8,000.00	191.07	.....	.....
Dec. . "	427,650.00	17,828.31	208,662.36	42,640.90	187.33	4,785.48	636,312.36	65,442.02	.....	.....	.....	.....
Jan. . 1889	302,775.00	11,763.40	146,097.00	16,005.99	18,360.00	2,095.00	448,872.00	48,224.39	.....	.....	.....	.....
Feb. . "	400,500.00	31,684.67	452,415.86	64,531.27	521.00	12,518.87	852,915.86	109,255.81	.....	.....	.....	.....
Total . .	\$4,140,232.92	\$244,692.87	\$3,350,187.59	\$723,186.71	\$27,173.39	\$85,164.97	\$7,490,420.52	\$1,080,217.96	\$12,000.00	\$542.32	\$7,750.00	\$1,055.00

Year.	Buildings.		Contents.		Losses not Insured.		Total.		Rents.		Wharfs.	
	Insurance.	Loss.	Insurance.	Loss.	Buildings.	Contents.	Insurance.	Loss.	Insurance.	Loss.	Insurance.	Loss.
1880	\$6,009,756.00	.....	.....	.....	.....	.....	\$1,056,468.00	.....	.....	.....	.....	.....
1881	3,801,564.11	.....	.....	.....	.....	.....	551,058.82	.....	.....	.....	\$56,197.83	.....
1882	5,209,049.83	.....	.....	.....	.....	.....	940,073.69	.....	.....	.....	172,401.59	.....
1883	6,972,141.29	.....	.....	.....	.....	.....	1,100,381.81	.....	.....	.....	163,160.05	.....
1884	6,933,012.24	.....	.....	.....	.....	.....	1,256,944.74	.....	.....	.....	123,389.95	.....
1885	6,371,291.77	.....	.....	.....	.....	.....	1,167,835.28	.....	.....	.....	148,422.58	.....
1886	4,194,491.11	.....	.....	.....	.....	.....	905,080.68	.....	.....	.....	281,344.66	.....
1887	6,440,032.21	.....	.....	.....	.....	.....	734,737.21	.....	.....	.....	150,187.90	.....
1888	7,490,420.52	.....	.....	.....	.....	.....	1,080,217.96	.....	.....	.....	112,338.37	.....

Comparison of Insurance and Losses for nine years, each year commencing March 1st, and ending the last day of February.

Loss not Insured.

Total Loss.

Insurance.

## FIRES AND ALARMS.

By Months, Days of the Week, Days of the Month, and Hours of the Day, from March 1, 1888, to March 1, 1889.

Months.		Days of the Week.		Days of the Month.		Hours of the Day.	
March, 1888.	69	Monday . . .	113	1	21	Day Service.	6 to 7 A. M. 16
				2	27		7 " 8 " 18
				3	35		8 " 9 " 23
April, "	66	Tuesday . . .	109	4	51		9 " 10 " 38
				5	16		10 " 11 " 26
				6	30		11 " 12 NOON. 36
May, "	47	Wednesday . .	130	7	25		12 " 1 P. M. 33
				8	22		1 " 2 " 20
				9	28		2 " 3 " 36
June, "	57	Thursday . . .	115	10	24		3 " 4 " 41
				11	22		4 " 5 " 45
				12	16		5 " 6 " 53
July, "	112	Friday . . .	123	13	29	Night Service.	6 " 7 " 55
				14	22		7 " 8 " 60
				15	27		8 " 9 " 58
August, "	55	Saturday . . .	133	16	20		9 " 10 " 57
				17	26		10 " 11 " 37
				18	33		11 " 12 MIDN. 35
September, "	53	Sunday . . .	96	19	22		12 " 1 A. M. 26
				20	18		1 " 2 " 32
				21	26		2 " 3 " 20
October, "	65			22	30		3 " 4 " 29
				23	38		4 " 5 " 13
				24	30		5 " 6 " 12
November, "	76			25	36		
				26	40		
				27	23		
December, "	84			28	22		
				29	15		
January, 1889	63			30	26		
				31	19		
February, "	72						
Totals . .	819		819		819		819

## DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	464
Boston Highlands District . . . . .	79
Charlestown " . . . . .	57
East Boston " . . . . .	51
South Boston " . . . . .	79
Dorchester " . . . . .	31
West Roxbury " . . . . .	34
Brighton " . . . . .	23
Boston Harbor " . . . . .	1
Total . . . . .	819



## CLASSIFICATION OF COVERS SPREAD.

22 Fires of 1 Cover each . . . . .	22	5 Fires of 25 Covers each . . . . .	125
16 " " 2 Covers " . . . . .	32	1 Fire " 26 " . . . . .	26
14 " " 3 " " . . . . .	42	1 " " 27 " . . . . .	27
8 " " 4 " " . . . . .	32	3 Fires " 28 " " . . . . .	84
9 " " 5 " " . . . . .	45	2 " " 32 " " . . . . .	64
12 " " 6 " " . . . . .	72	2 " " 34 " " . . . . .	68
4 " " 7 " " . . . . .	28	2 " " 35 " " . . . . .	70
6 " " 8 " " . . . . .	48	2 " " 36 " " . . . . .	72
4 " " 9 " " . . . . .	36	1 Fire " 37 " . . . . .	37
2 " " 10 " " . . . . .	20	1 " " 39 " . . . . .	39
1 Fire " 11 " . . . . .	11	1 " " 46 " . . . . .	46
2 Fires " 13 " " . . . . .	26	3 Fires " 49 " " . . . . .	147
1 Fire " 14 " . . . . .	14	2 " " 51 " " . . . . .	102
2 Fires " 15 " " . . . . .	30	1 Fire " 52 " . . . . .	52
2 " " 16 " " . . . . .	32	1 " " 54 " . . . . .	54
1 Fire " 17 " . . . . .	17	1 " " 56 " . . . . .	56
6 Fires " 18 " " . . . . .	108	2 Fires " 62 " " . . . . .	124
1 Fire " 20 " . . . . .	20	1 Fire " 69 " . . . . .	69
3 Fires " 21 " " . . . . .	63	1 " " 72 " . . . . .	72
2 " " 22 " " . . . . .	44	1 " " 74 " . . . . .	74
1 Fire " 23 " . . . . .	23	1 " " 95 " . . . . .	95
1 " " 24 " . . . . .	24		

Total Fires, - - - - - 155

Total Covers, - - 2,292

155 Fires, 2,292 Covers. Average 19.

## COVERS CONDEMNED AND DESTROYED.

Destroyed at fire April 26th, Atlantic Works. . . . .	10
Condemned . . . . .	12
Total . . . . .	22

## CAUSES OF FIRES AND ALARMS.

---

Acid . . . . .	2
Alarms, false . . . . .	51
,, needless . . . . .	13
Assistance, call for . . . . .	1
Ashes, hot, in wooden receptacle . . . . .	21
,, ,, from pipe . . . . .	19
Attempting to thaw out water pipes . . . . .	8
Boiling over of stove blacking . . . . .	1
,, ,, fat . . . . .	6
,, ,, tar . . . . .	3
,, ,, varnish . . . . .	1
Bonfires . . . . .	5
Boys, set by . . . . .	11
Brush fires . . . . .	8
Candles, lighted . . . . .	8
Chimney fires . . . . .	21
Cigar stubs, lighted . . . . .	2
,, ,, ,, in wooden spittoons filled with sawdust . . . . .	3
,, ,, ,, on straw . . . . .	2
,, ,, ,, on rubbish . . . . .	1
Cigarettes, lighted . . . . .	2
Defective chimney . . . . .	24
,, fire-place . . . . .	1
,, ovens . . . . .	2
,, set boilers . . . . .	2
Drying, plastering . . . . .	3
Explosion of steam condenser . . . . .	1
Electric light wires, overcharged . . . . .	6
,, ,, sparks . . . . .	2
Exhibition of Fire Department . . . . .	1
Fires re-kindling . . . . .	4
Fire-crackers . . . . .	40
Fire-works . . . . .	5
Friction . . . . .	1
,, of belting . . . . .	1
,, of iron fan in blower . . . . .	1
Gas jets . . . . .	3
,, ,, igniting curtains . . . . .	16

Gas jets igniting goods . . . . .	4
„ „ „ woodwork . . . . .	2
„ „ „ hair . . . . .	1
„ explosions . . . . .	3
„ leakage, attempting to find a . . . . .	5
Hot carbons . . . . .	1
„ coals . . . . .	5
„ iron . . . . .	3
„ metal . . . . .	1
„ stove, clothing igniting from a . . . . .	4
„ „ upsetting a . . . . .	1
Incendiary, supposed . . . . .	37
Kerosene oil, attempting to kindle a fire with . . . . .	4
„ „ lamp igniting cotton goods . . . . .	1
„ „ lamps, explosion of lighted . . . . .	7
„ „ „ breaking „ . . . . .	54
„ „ lamp, igniting netting . . . . .	1
„ „ „ „ clothing . . . . .	1
„ „ lamps, igniting woodwork . . . . .	5
„ „ stove, attempting to fill a lighted . . . . .	1
„ „ „ . . . . .	1
„ „ stoves, upsetting lighted . . . . .	12
Lightning . . . . .	1
Lime slacking . . . . .	2
Matches . . . . .	17
„ children playing with . . . . .	28
„ igniting curtains . . . . .	2
„ thrown on clothing in closet . . . . .	18
„ „ „ hay . . . . .	1
„ „ „ rubbish . . . . .	14
„ „ „ straw . . . . .	2
„ „ „ waste paper . . . . .	3
„ „ „ bedding . . . . .	3
„ „ „ oily floor . . . . .	2
„ „ „ charcoal . . . . .	1
„ „ „ black varnish . . . . .	1
„ „ „ pan of turpentine . . . . .	1
„ „ „ shavings . . . . .	2
„ „ „ oakum . . . . .	1
„ „ „ kerosene-oil can . . . . .	1
„ „ „ umbrellas . . . . .	1
„ „ „ celluloid . . . . .	1
„ „ „ lambrequin . . . . .	1
„ „ „ cotton . . . . .	1
„ rats and . . . . .	9
Overheat, hot-air pipes . . . . .	5
„ stoves . . . . .	20



Overheat, stove funnels . . . . .	7
„ chimneys . . . . .	6
„ ovens . . . . .	2
„ steam-pipes . . . . .	2
„ japanning oven . . . . .	1
„ journal . . . . .	1
„ drying kiln . . . . .	1
Paper, fluff in burnishing room igniting from a lighted . . . . .	1
Soot, from chimney . . . . .	3
Spontaneous combustion . . . . .	15
„ „ oily rags . . . . .	8
„ „ „ waste . . . . .	4
„ „ „ sawdust . . . . .	1
„ „ coal . . . . .	1
„ „ paint . . . . .	1
„ „ chemicals . . . . .	1
Smoky stoves . . . . .	8
Sparks from chimneys . . . . .	11
„ „ fireplaces . . . . .	2
„ „ hoisting engine . . . . .	1
„ „ locomotives . . . . .	11
„ „ plumbers' fire-pot . . . . .	2
„ „ roofers' fire-pot . . . . .	1
„ „ stoves . . . . .	3
„ „ smelting furnace . . . . .	1
Sulphur fires, hot coals from . . . . .	2
Unknown . . . . .	111
Vapor from naphtha . . . . .	6
„ „ alcohol . . . . .	4
Wood on furnace or in oven, igniting of . . . . .	7
Total . . . . .	819

## GRADE OF LOSSES.

Grade of losses for the year 1888, commencing January 1st, and ending December 31st.

		Aggregate.	Average.
280	Fires with no loss.		
262	" " loss under \$100 . . . . .	\$10,393.55	\$39.67
140	" " " from \$100 to \$500 . . . . .	30,374.70	216.96
45	" " " " \$500 to \$1,000 . . . . .	32,298.46	717.74
72	" " " " \$1,000 to \$5,000 . . . . .	167,710.50	2,329.31
12	" " " " \$5,000 to \$10,000 . . . . .	98,138.48	8,178.20
3	" " " " \$10,000 to \$15,000 . . . . .	35,022.41	11,674.13
	Over \$15,000, as follows:—		
1	Fire Jan. 17, Nos. 83 and 85 High St., S. Westcott & Son, Leather	15,042.46	\$657,738.62
1	" Feb. 6, 121 Medford St., Charlestown, F. M. Holmes Fur. Co.	25,630.28	
1	" Mar. 13, 2170 to 2178 Washington St., J. T. Smith, Carriage Mfg., et al.	47,977.00	
1	" " 23, 19 and 21 Columbia St., John A. Babcock & Co., Hat Mfg., et al.	31,187.07	
1	" " 24, 15 to 17 Avon St., H. Crine, Furs, &c., et al.	16,605.80	
1	" " 27, 352 to 356 Washington St., Frank Woods, Printer, et al.	16,292.13	
1	" April 13, 155 and 157 High St., Bradley, Hastings & Co., Hardware, et al.	24,879.41	
1	" " 26, 60 Border St., Atlantic Works, Steamship Boilers, &c.	78,548.94	
1	" May 15, 40 and 42 Summer St., Raphael & Lewenberg, Clothiers, et al.	15,948.15	
1	" " 16, 6 to 12 Hayward Place, Cashman, Keating & Co., Printers, et al.	30,747.05	
1	" " 28, 2277 to 2281 Washington St., T. Smith & Co., Dry Goods, et al.	17,729.73	
1	" June 2, 3 Head Place, Edison Electric Light Co. et al.	39,512.00	
1	" Sept. 13, 365 Atlantic Ave., Seccomb, Kehew & Sons, Oils, et al.	20,561.35	
1	" " 14, 376 to 380 Albany St., A. F. Leatherbee, Lumber, et al.	75,513.26	
1	" Oct. 6, Spectacle Island, Boston Harbor, Dole Fertilizing Co.	19,112.78	
1	" " 6, 411 and 413 Atlantic Ave., W. S. Waterhouse, Leather, et al.	22,936.31	
1	" " 20, Lewis Wharf, Storage	91,574.16	
1	" Nov. 3, 47 and 49 Summer St., C. S. Marston, Clothier	21,462.30	
1	" " 20, 55 High St., Webster & Co, Leather, et al.	14,978.44	
1	" " 24, Commonwealth Ave., Morss & Whyte, Iron Workers	31,500.00	32,886.93
834		\$1,031,676.72	\$1,237.02

The 554 fires where there was a loss, the average was \$1,862.23.

Comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss; for eight years, commencing January 1, 1881.

Year.	Total Fires.	Total Fires with loss.	Total Loss.	Average Loss of Total Fires.	Average loss of total fires with loss.
1881	558	344	\$467,105.28	\$837.10	\$1,357.86
1882	502	329	958,835.88	1,910.03	2,914.39
1883	641	371	1,132,982.18	1,767.52	3,053.86
1884	633	398	1,101,253.60	1,739.73	2,766.96
1885	655	397	1,232,255.05	1,881.30	3,103.91
1886	687	448	1,089,196.05	1,585.43	2,431.24
1887	754	460	690,454.11	915.72	1,500.98
1888	834	554	1,031,676.72	1,237.02	1,862.23
Total	5,264	3,301	\$7,703,759.41	\$1,463.48	\$2,333.76

Statement of the insurance; loss paid by companies; per cent. of insurance paid in losses by companies; loss not insured; total loss, and per cent. of total loss not insured on buildings and contents; for eight years, each year commencing January 1, and ending December 31; also the total insurance; total loss paid by companies; per cent. of insurance paid in losses by companies; total loss, and per cent. of total loss not insured; for eight years.

### BUILDINGS.

Year.	Insurance.	Loss Paid by Companies.	Per cent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$2,307,064.38	\$115,612.03	05.01	\$14,888.01	\$130,500.04	11.40
1882	2,405,529.94	159,246.42	06.62	26,271.67	185,518.09	14.16
1883	3,856,784.88	334,981.10	08.68	23,478.10	358,459.20	07.00
1884	3,227,819.93	189,168.83	05.86	28,022.40	217,191.23	14.81
1885	3,070,687.86	221,801.75	07.22	24,240.96	246,042.71	09.85
1886	2,733,588.56	275,269.13	10.06	136,800.13	412,069.26	33.19
1887	3,290,462.47	171,871.93	05.22	68,206.29	240,078.22	28.41
1888	4,492,935.42½	227,933.85½	05.07	12,302.39½	240,236.25	05.12
Total,	\$25,384,873.44½	\$1,695,885.04½	06.68	\$334,209.95½	\$2,030,095.00	16.46

### CONTENTS.

Year.	Insurance.	Loss Paid by Companies.	Per cent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$1,598,163.23	\$304,792.58	19.07	\$31,813.20	\$336,605.78	09.45
1882	2,475,362.73	622,795.39	25.16	150,522.40	773,317.79	19.46
1883	2,742,409.07	596,324.39	21.74	178,198.59	774,522.98	23.00
1884	4,244,172.75	781,134.46	18.40	102,927.91	884,062.37	11.64
1885	2,992,044.37	900,648.20	30.10	85,564.14	986,212.34	08.67
1886	2,270,318.15	499,804.78	22.01	177,322.01	677,126.79	26.18
1887	1,886,074.17	369,067.09	19.57	81,308.80	450,375.89	18.05
1888	3,573,802.80½	715,197.05½	20.01	76,243.41½	791,440.47	09.63
Total,	\$21,782,347.27½	\$4,789,763.94½	21.99	\$883,900.46½	\$5,673,664.41	15.58

### TOTAL.

Year.	Total Insurance on Buildings and Contents.	Total Loss on Buildings and Contents Paid by Companies.	Per cent. of total Insurance paid in Losses by Co's.	Total Loss on Buildings and Contents.	Per cent. of Total Loss to Insurance.
1881	\$3,905,227.61	\$420,404.61	10.76	\$467,105.82	11.96
1882	4,880,892.67	782,041.81	16.02	958,835.88	19.64
1883	6,599,193.95	931,305.49	14.11	1,132,982.18	17.16
1884	7,471,992.68	970,303.29	12.98	1,101,253.60	14.73
1885	6,062,732.23	1,122,449.95	18.51	1,232,255.05	20.32
1886	5,003,906.71	775,073.91	15.48	1,089,196.05	21.76
1887	5,176,536.64	540,939.02	10.45	690,454.11	13.34
1888	8,066,738.23	943,130.91	11.69	1,031,676.72	12.79
Total,	\$47,167,220.72	\$6,485,648.99	13.75	\$7,703,759.41	16.33

## SCHEDULE OF PROPERTY.

OWNED BY THE DEPARTMENT AND CONTAINED IN HOUSES NOS. ONE AND TWO, AND IN THE OUTLYING DISTRICTS.

Horses . . . . .	6
Wagons " complete " . . . . .	2
Pungs ,, . . . . .	2
Wagons for superintendent (1 unsafe)	2
Sleighs ,, ,, . . . . .	2
Rubber covers . . . . .	436
Canvas ,, for roofs . . . . .	4
Fire extinguishers (4 unsafe)	8
Life-saving blankets . . . . .	2
Sets of patent double harnesses, " new "	2
,, ,, ,, ,, " old "	2
Single harnesses . . . . .	3
Wagon poles " extra " . . . . .	2
Wheels " extra " . . . . .	2
Whiffletrees " extra " . . . . .	5
Bedsteads with bedding . . . . .	23
Mantel bedsteads with bedding . . . . .	2
Billiard table " complete " . . . . .	1
Helmets . . . . .	30
Necessary tools and equipments.	
,, stable equipments.	
,, extra parts of harnesses.	
,, house furniture and fixtures.	
,, telegraph apparatus.	
,, gas fixtures.	
,, supplies.	
,, stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

## ACCIDENTS

To Members of the Department from March 1, 1888, to March 1, 1889.

1888.

July 21. A. F. Hall, sprained ankle at fire No. 14½ to No. 20 Harrison Avenue.

1889.

February 24. J. E. Thayer, injured by being thrown from Hook & Ladder 2, while responding to Box 632.



## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by the Trustees of the Boston Firemen's Relief Fund to sick and disabled members of the Boston Protective Department, during the year from March 1, 1888, to March 1, 1889: —

Patrolman Geo. H. Carter,	April 17, 1888	.	.	.	.	\$76.25
„ „ „	June 27, „	.	.	.	.	76.25
Substitute H. E. Thompson,	April 13, „	.	.	.	.	26.25
Patrolman D. W. Brown,	April 13, „	.	.	.	.	4.75
„ F. O. Hinckley,	April 13, „	.	.	.	.	66.00
„ „ „	June 27, „	.	.	.	.	76.25
„ „ „	August 4, „	.	.	.	.	38.75
„ „ „	Sept. 10, „	.	.	.	.	38.75
„ A. F. Hall,	April 13, „	.	.	.	.	67.00
„ „ „	Dec. 5, „	.	.	.	.	10.00
„ J. T. Fitzgerald,	August 8, „	.	.	.	.	9.75
„ G. W. Thompson,	April 13, „	.	.	.	.	7.00
Callman P. A. Garcia,	April 13, „	.	.	.	.	7.50
Lieutenant S. E. Smith,	August 8, „	.	.	.	.	12.40
Patrolman H. S. Kendall,	Dec. 5, „	.	.	.	.	10.05
Total . . . . .						<hr/> \$526.95

## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

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The following amounts have been paid by Treasurer H. S. Kendall, to sick and disabled members of this department, during the year, from March 1, 1888, to March 1, 1889.

Patrolman G. W. Thompson,	April 2, 1888	.	.	.	.	\$10.00
Lieutenant S. E. Smith,	July 12	„	.	.	.	5.00
Patrolman H. S. Kendall,	Sept. 18	„	.	.	.	6.43
„ G. H. Carter,	Nov. 18	„	.	.	.	10.00
„ „ „	Dec. 11	„	.	.	.	10.00
„ „ „	„ 27	„	.	.	.	10.00
„ „ „	Jan. 8	„	.	.	.	5.00
„ S. W. Ronimus,	„ 19	„	.	.	.	10.00
Callman G. W. Dalton,	Feb. 2	„	.	.	.	10.00
Patrolman H. S. Kendall,	„ 17	„	.	.	.	5.00
Total . . . . .						\$81.43

## TRUSTEES' REPORT.

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Cash on hand March 1, 1888	.	.	.	.	.	.	.	\$10.00
December 8, 1888, donation	.	.	.	.	.	.	.	25.00
In hands of Trustees	.	.	.	.	.	.	.	\$35.00

*Respectfully submitted,*

J. EDWARD HOLLIS,	}	<i>Trustees.</i>
GEO. R. ROGERS,		
SAMUEL ABBOTT, JR.,		

Boston, Feb. 28, 1889.





H. H. CROOK  
104 WASHINGTON STREET  
BOSTON, MASS.



SIXTEENTH

ANNUAL REPORT

OF THE

Boston Protective Department,

FROM MARCH 1, 1889, TO MARCH 1, 1890.

BOSTON :

THE BARTA PRESS, 54 PEARL STREET.

1890.



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---

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9 nos.

## OFFICERS.

*President :*

J. EDWARD HOLLIS.

*Vice-President:*

GEO. R. ROGERS.

*Treasurer :*

CHAS. E. GUILD.

*Secretary :*

OSBORNE HOWES, JR.

*Directors :*

TO SERVE UNTIL MARCH, 1890.

THOMAS F. TEMPLE.                      J. EDWARD HOLLIS.  
HORACE V. FREEMAN.

TO SERVE UNTIL MARCH, 1891.

GEORGE R. ROGERS.          FRANCIS H. STEVENS.  
GEORGE P. FIELD.

TO SERVE UNTIL MARCH, 1892.

CHAS. E. GUILD. N. FOSTER, JR  
EDWARD D. BLAKE.





# REPORT OF THE DIRECTORS.

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BOSTON, MARCH 12, 1890.

TO THE MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT :

*Gentlemen:* At the close of the sixteenth year, during which the Boston Protective Department has been in active operation, the Directors have to congratulate the members of the corporation on the continued efficiency of this force. The work that it has undertaken to perform has increased with the growth of the city, and although the size of the companies has been gradually enlarged, and some of the call members changed to permanent members, yet in the opinion of the Directors these enlargements have not kept pace with the growth of the city. The Directors are of the opinion that certain sections of Boston, notably the South End and Back Bay districts, are not sufficiently protected by the wagons now in service, and that adequate protection cannot be secured unless a third company is formed. They would therefore recommend to the corporation that a new company be organized, with a captain, lieutenant, sergeant, and five permanent men, to be located in the vicinity of Tremont and Northampton Streets. According to estimates that have been made, this would involve an increased annual expense of about \$11,000, not including rent, gas, fuel, and telephone service, a portion of which would probably be saved by the retirement of two call men. To procure proper apparatus and fittings would cost in addition about \$3,000. In view of this enlarged expenditure, the Directors would recommend that the Board of Directors for next year be authorized to expend for the maintenance of the department a sum not to exceed \$60,000.

The suit brought against the Department for personal injury sustained by one Newcomb, a herdic driver, which was taken by appeal to the Supreme Court, has resulted in a judgment against this Department, the damages amounting to \$3,000 and costs.

By appealing the case, the legal status of the Department has been clearly defined by the highest tribunal of the State. By this decision it appears that the right of way granted by the State to this corporation is largely a fiction, and that if the wagons of the Department come into collision with private vehicles when proceeding to a fire, claims for damages, if the fault lies on the side of the employees of this corporation, can be made and sustained.

The Directors, as in past reports, call the attention of the members to the tabulated statements of fire losses prepared by the Superintendent, and given in the following pages; and would recommend, first, that the active duties of the Department be continued for another year; and second, as suggested above, that the Directors be authorized to expend, for the maintenance of the Department during another year, not exceeding \$60,000.

For the Directors,

J. EDWARD HOLLIS.

*President.*

# SUPERINTENDENT'S REPORT

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HEAD-QUARTERS PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT., No. 5 HAMILTON ST. }

BOSTON, March 1, 1890.

TO THE PRESIDENT AND DIRECTORS :

*Gentlemen:* I herewith submit the Sixteenth Annual Report of the operations of the Department for the year ending March 1, 1890.

The several tables heretofore submitted have been extended and continued for the period mentioned.

## ORGANIZATION.

The organization of the department consists of 1 superintendent, 2 captains, 2 lieutenants, 2 sergeants, 12 first grade patrolmen, 1 second grade patrolman, 1 first grade substitute, 1 second grade substitute, 10 callmen, total, 32, being the same as last year, except the appointment (Dec. 13, 1889,) of one additional callman, who was assigned to Company No. 2, and detailed for duty on Ladder Co. 12, Roxbury District. The office of sergeant was also created (Nov. 14, 1889) and first grade patrolmen promoted to the same.

## DISMISSALS, APPOINTMENTS, PROMOTIONS, AND TRANSFERS.

DISMISSAL.—Lieut. M. F. Packard, dismissed Sept. 18, 1889.

APPOINTMENT.—George W. Thompson, Jr., appointed Nov 14, 1889, second grade substitute.

PROMOTIONS.—First Grade Patrolman H. S. Kendall, promoted to lieutenant, Nov. 14, 1889; First Grade Patrolman D. W. Brown, promoted to sergeant, Nov. 14, 1889; First Grade Patrolman Charles Schworm, promoted to sergeant, Nov. 14, 1889; First Grade Substitute H. E. Thompson, promoted to second grade patrolman, Nov. 1, 1889; Second Grade Substitute Samuel Abbott 3d, promoted to first grade substitute, July 10, 1889.

TRANSFERS.—First Grade Substitute Samuel Abbott 3d, transferred from Co. 2 to Co. 1, Nov. 14, 1889.

### WAGONS, HORSES, AND EQUIPMENTS.

The wagons, horses, and equipments are in good condition. During the year, a new set of axles and boxes for wheels have been put on wagon No. 2, and two small-sized extinguishers purchased for the same company. Oct. 30, 1889, a metallic telephone connection between Houses 1 and 2 was constructed. Thirty rubber covers have been ordered (fourteen of which were delivered Jan. 27, 1890) to take the place of those destroyed at the (Nov. 28, 1889) fire.

### HOUSES.

The houses of the Department are in good condition.

### OFFICERS AND MEN.

The rank and file of the Department have performed their arduous duties with zeal and efficiency, for which I am gratified to acknowledge the same. I desire also to specially mention the brave act of Acting Substitute Eugene Cummings, who daringly rescued a man from the roof of the burning building Nos. 259 and 261 North Street, on the morning of Feb. 2, 1890, being assisted by Lieut. S. E. Smith, Sergeant D. W. Brown, and Patrolman H. E. Thompson.

### FIRE ALARMS.

It will be seen that the statement of fires and alarms for this year exhibits one more than last year, making the largest ever tabulated.

### SERVICE PERFORMED.

615 5-6 hours' fire service, 3,986 4-6 hours of watch duty, and 76 5-6 hours' service protecting buildings and contents from storms, an equivalent of 194 days, 23 hours, and 20 minutes (it being an increase of 69 days, 14 hours, and 55 minutes in comparison with the previous year, which was the largest since the Department was organized), will convey some idea of the service performed by the Department.



## COVERS.

1,879 covers were used in covering goods at fires, 33 covers on goods, and 88 covers on roofs, to protect the buildings and contents after fires from additional damage by storms; making a total of 2,000 covers used, it being 470 covers less than the number used last year.

## INSURANCE AND LOSSES.

The amount of insurance involved during the year 1889 (from January 1, to December 31, inclusive) is in excess of any year ever presented, being \$11,736,463.15. The loss sustained by the insurance companies was \$4,061,018.83, being almost equal to the combined loss by companies for the previous five years (1884 to 1888 inclusive) which was \$4,351,897.08. The loss to companies for the year 1889, was divided as follows:

Insurance on buildings . . . . .	\$4,583,384.25
Loss on buildings . . . . .	911,382.45
Insurance on contents . . . . .	7,153,078.90
Loss on contents . . . . .	3,149,636.38

## CAUSES OF FIRES AND ALARMS.

Assistance, call for . . . . .	5
Buildings defective . . . . .	24
Carelessness . . . . .	189
Collapsing of buildings . . . . .	2
Electricity . . . . .	6
Fireworks . . . . .	5
Gas . . . . .	30
Incendiary (supposed) . . . . .	48
Kerosene oil . . . . .	120
Matches . . . . .	110
Needless . . . . .	94
Sparks . . . . .	35
Spontaneous combustion . . . . .	21
Unknown . . . . .	121
Vapors . . . . .	10
Total . . . . .	820

**FIRE DEPARTMENT.**

Between the Protective and Fire Departments the same cordial feelings continue to exist.

**CONCLUSION.**

I desire to express my sincere thanks to President J. Edward Hollis, Esq., the Board of Directors, and Osborne Howes, Jr., Esq., Secretary of the Board, for their uniform kindness and co-operation, and also to the officers and members of this Department for the earnest and faithful manner in which they have performed their duties; also to the Board of Fire Commissioners, Chief of Department L. P. Webber, and District Chiefs, Superintendent B. S. Flanders of the Fire Alarm Department, Superintendent H. R. Demary of the Fire Department Repair Shop, and all the officers and members of the Fire Department, together with the officers and members of the Police Department for their courtesy and assistance at all times.

Respectfully submitted,

SAMUEL ABBOTT, JR.,

*Superintendent.*





# TREASURER'S

## RECEIPTS AND EXPENDITURES OF THE BOSTON

1889.		
March.	By Cash on hand, Balance . . . . .	\$21,490.69
	Balance of Assessment of January 1, 1889, collected . . . . .	5,656.41
	Not collected of above (duplicate returns), \$5.48 . . . . .	
	Six Months' Assessment to July 1, 1889 . . . . .	20,574.54
	Six Months' Assessment to January 1, 1890 . . . . .	19,155.93
	Interest, Eliot National Bank . . . . .	379.50
	Cash received for Watch Duty . . . . .	1,143.97
	Cash received for Sale of Horses . . . . .	415.00
	Cash received for use of Covers . . . . .	14.00
		\$68,830.04

\$68,830.04

### NET RUNNING EXPENSES.

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,922.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.46
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49
March, 1883, to March, 1884 . . . . .	35,177.68
March, 1884, to March, 1885 . . . . .	35,253.10
March, 1885, to March, 1886 . . . . .	37,047.94
March, 1886, to March, 1887 . . . . .	33,833.64
March, 1887, to March, 1888 . . . . .	38,534.07
March, 1888, to March, 1889 . . . . .	39,861.16
March, 1889, to March, 1890 . . . . .	45,527.88

## REPORT.

PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1890.

## To Cash paid :—

Pay Roll . . . . .	\$27,982.39
Rent and Taxes of Houses . . . . .	2,770.90
Hay and Grain . . . . .	702.85
Wagon and Harness Repairs . . . . .	567.40
Horse Shoeing . . . . .	279.81
Fuel . . . . .	333.11
Gas . . . . .	191.23
Washing . . . . .	194.28
Supplies . . . . .	443.07
Telephone Dispatch Co. . . . .	211.50
Automatic Alarm Co. . . . .	313.84
Water Tax . . . . .	56.27
Billiard Table . . . . .	265.00
Repairs and Furnishings to Houses . . . . .	218.72
Purchase and Hire of Horses . . . . .	2,156.93
Purchase of Extinguishers . . . . .	60.00
New Covers . . . . .	360.00
Veterinary Services . . . . .	84.95
* Collision Damages . . . . .	4,328.55
Legal Services . . . . .	881.40
Sundries . . . . .	304.60
Advertising Annual Meeting . . . . .	35.75
Directors' Meetings . . . . .	98.00
Secretary and Boy, Rent of Rooms and Sundries . . . . .	1,035.55
Printing and Stationery . . . . .	1,450.78
Treasurer . . . . .	600.00
Auditors' Fees . . . . .	30.00
	<hr/>
Assessments Refunded (paid twice) . . . . .	\$45,956.88
Paid for Watch Duty . . . . .	9.09
Balance due (assessment of January 1, 1890) . . . . .	496.59
Balance, Cash on Hand . . . . .	7,486.57
	<hr/>
	14,880.91
	<hr/>
	\$68,830.04

E. &amp; O. E.

C. E. GUILD, *Treasurer.*

BOSTON, March 13, 1890.

Audited and found correct to date.

*Signed,*

P. E. EDDY,	} <i>Auditing Committee.</i>
HAMMOND VINTON,	
JOHN W. PORTER,	

\* \$3,442.65, the amount of judgment, with interest and costs, in suit of Newcomb *vs.* Boston Protective Department, was paid March 1, 1890, by advice of our counsel, Robert M. Morse, Jr. This suit was brought in 1886, and the sum now paid may fairly be distributed over the intervening years.

The sum of \$45,000, authorized for the maintenance of the Department, has, in consequence, been exceeded this year, as the account shows.

# ROSTER OF THE OFFICERS AND MEMBERS OF THE BOSTON PROTECTIVE DEPARTMENT.

SUPERINTENDENT, SAMUEL ABBOTT, JR.; AGE, 43; RESIDENCE, No. 84 DOVER ST.; HEADQUARTERS, No. 5 HAMILTON ST.

## COMPANY No. 1. No. 5 Hamilton St. PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	D. R. Dearing . . . .	54	Engineer . . . . .	5 Hamilton St.	11	Company Quarters.
Lieutenant.	S. E. Smith . . . .	40	Fireman . . . . .	31 Pearl St., Charlestown.	12	" "
Sergeant.	D. W. Brown . . . .	38	Clerk . . . . .	151 W. Brookline St.	41	" "
Driver.	G. W. Thompson . . .	54	Driver . . . . .	56 Winthrop St., Charlestown.	13	" "
Ass't Driver.	A. F. Hall . . . .	36	Ship Joiner . . . .	385 Meridian St., E. Boston.	20	" "
1st Grade Patrolman.	A. T. Osborne . . . .	33	Machinist . . . . .	5 Pine St.	21	" "
" "	J. T. Fitzgerald . . .	30	Clerk . . . . .	334 Tremont St.	16	" "
" "	H. W. Kimball . . .	31	Clerk . . . . .	67 Shawmut Ave.	43	" "
" "	J. J. McCarthy . . .	31	Clerk . . . . .	9 Knox St.	22	" "
2d "	H. E. Thompson . . .	32	Painter . . . . .	30 Essex St., Charlestown.	39	" "
1st "	Samuel Abbott, 3d . .	22	Fireman . . . . .	84 Dover St.	36	" "

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	J. E. Thayer . . . .	59	Calker . . . . .	22 Paris St., E. Boston.	17	East Boston District.
"	C. H. Ferrier . . . .	30	Clerk . . . . .	92 Russell St., Charlestown.	18	Charlestown "

## COMPANY No. 2.

## No. 16 Broadway Extension.

## PERMANENT FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Captain.	James H. Huff	43	Mason . . . . .	8 Oak St.	37	Company Quarters.
Lieutenant.	H. S. Kendall	43	Painter . . . . .	14 Taylor St.	38	"
Sergeant.	Charles Schworm	32	Wood Carver . . . . .	262 Broadway, South Boston.	14	"
Driver.	I. M. Hutchins	44	Forem'n for Contract'rs	20 Gray St.	26	"
Ass't Driver.	C. H. Cushing	42	Driver . . . . .	32 Broadway, South Boston.	23	"
1st Grade Patrolman.	J. L. Huff	39	Mason . . . . .	13 Pine St.	25	"
"	S. W. Ronimus	36	Paper Hanger . . . . .	356 Tremont St.	28	"
"	G. H. Carter	41	Porter . . . . .	Rear 893 Washington St.	29	"
"	F. O. Hinckley	30	Clockmaker . . . . .	47 Adams St., Roxbury.	27	"
2d Grade Substitute	G. W. Thompson, Jr.	24	Plumber . . . . .	56 Winthrop St., Charlestown.	24	"

## CALL FORCE.

Rank.	Name.	Age.	Former Occupation.	Residence.	No. of Badge.	Assigned for Duty.
Callman.	P. A. Garcia	33	Clockmaker	46 Winslow St., Roxbury.	30	Roxbury District.
"	G. J. Reis	27	Teamster	53 Cabot St., Roxbury.	13	"
"	F. C. Byrnes	32	Expressman	835 Fourth St., South Boston.	31	South Boston
"	E. Fruean, Jr.	24	Thinsmith	Upham's Court, Dorchester.	32	Dorchester
"	G. W. Dalton	49	Blacksmith	1168 Washington St.,	33	"
"	C. A. Wood	47	Carpenter	105 Brookside Av, W. Roxbury.	45	W. Roxbury
"	S. S. Bearse	25	Teamster	71 Poplar St.,	C	"
"	J. J. O'Keefe	37	Teamster	48 Winship St., Brighton.	35	Brighton

Dismissed.	Appointments.	Promotions.	Transfers.
M. F. Packard, Lieutenant, Company No. 2, Sept. 18, 1889.	G. W. Thompson, Jr., second grade Substitute Company No. 2, Nov. 14, 1889. G. J. Reis, Callman Company No. 2, Dec. 13, '89, assigned to Roxbury District (Ladder No. 12).	H. S. Kendall, from first grade Patrolman, Company No. 2, to Lieutenant, Company No. 2, Nov. 14, 1889. D. W. Brown, from first grade Patrolman, Company No. 1, to Sergeant, Company No. 1. Charles Schworm, from first grade Patrolman, Company No. 1, to Sergeant, Company No. 2, Nov. 14, '89. Samuel Abbott (3d), from second to first grade Substitute, July 10, 1889. H. E. Thompson, from first grade Substitute to second grade Patrolman, Nov. 1, 1889.	Sergt. Charles Schworm from Company No. 1 to Company No. 2, Nov. 14, 1889. First grade Substitute Sam'l Abbott (3d) from Company No. 2 to Company No. 1, Nov. 14, 1889.



## MONTHLY STATEMENT

Of Alarms of Fire, Covers Spread, Extinguishers used, Fire, Watch, and Extra Duty performed for the Year Ending March 1, 1890.

Months.	Alarms.					Covers.		Extinguishers used.	Fire Duty.		Watch Duty.		Extra Duty.		
	Bell.	Still.	Automatic.	Ext. by occ.	Total.	Spread.	Roof.		Hours.	Minutes.	Hours.	Minutes.	Hours.	Minutes.	Covers used.
March, 1889	42	9	3	1	55	41	4	1	38	35	141	15	0	0	0
April, "	61	17	0	2	80	120	8	2	56	15	171	50	0	0	0
May, "	44	16	3	0	63	68	0	5	38	25	300	30	0	0	0
June, "	38	17	2	0	57	134	4	1	41	55	119	40	9	30	0
July, "	48	14	1	0	63	193	22	2	59	20	1,084	20	7	45	10
August, "	46	6	0	1	53	205	10	0	49	9	365	—	0	0	0
Sept., "	47	15	2	0	64	164	15	1	48	30	201	15	8	30	0
October, "	49	8	0	1	58	122	8	1	39	40	556	45	3	45	3
Nov., "	50	15	0	2	67	349	3	3	52	25	216	—	22	50	20
Dec., "	68	21	3	0	92	122	2	6	79	35	60	—	2	0	0
Jan., 1890	66	22	1	1	90	171	9	4	47	20	268	45	19	30	0
Feb., "	65	8	3	2	78	190	3	4	64	40	501	20	3	0	0
Total,	624	168	18	10	820	1,879	88	30	615	49	3,986	40	76	50	33

Comparison of Fires, Covers Spread, Fire and Watch Duty performed for ten years, each year commencing March 1, and ending the last day of February.

Years.	Fires.	Covers Spread.	Fire Duty.		Watch Duty.	
			Hrs.	Min.	Hrs.	Min.
1880	587	1,596	561	10	886	30
1881	521	1,364	670	00	1,508	30
1882	510	1,910	692	40	1,432	15
1883	648	2,948	966	50	2,479	30
1884	648	2,338	622	55	3,433	45
1885	669	2,361	662	55	3,292	10
1886	662	1,572	525	55	1,472	50
1887	798	1,638	648	55	2,486	30
1888	819	2,292	668	50	2,291	20
1889	820	1,879	615	49	3,986	40

# MONTHLY STATEMENT

Of Insurance and Loss on Buildings, Contents, Rents, and Marine for the year ending March 1st, 1890.

Months.	Buildings.		Contents.		Losses not Insured.		Total.		Rents.		Marine.	
	Insurance.	Loss.	Insurance.	Loss.	Buildings.	Contents.	Insurance.	Loss.	Insurance.	Loss.	Insurance.	Loss.
March . 1889	\$272,676.67	\$6,207.94	\$61,483.33	\$11,280.07	\$848.20	\$2,643.17	\$334,160.00	\$20,979.38	\$6,000.00	\$569.40	\$10,000.00	\$432.95
April . "	397,171.00	88,675.95	485,750.00	114,569.82	5,950.00	11,141.22	882,921.00	220,336.99	.....	.....	.....	.....
May . "	167,950.00	4,832.96	82,150.00	16,499.18	5 00	1,231.61	250,100.00	22,568.75	.....	.....	.....	.....
June . "	294,551.00	19,049.52	204,396.74	75,881.89	700.00	8,336.00	498,947.74	103,967.41	.....	.....	.....	.....
July . "	215,108.33	18,118.05	236,040.17	121,158.80	3,700.00	11,143.47	451,148.50	154,120.32	.....	.....	.....	.....
Aug. . "	155,473.34	10,367.38	639,707.86	74,891.36	875.00	2,371.04	795,181.20	88,504.78	1,113.00	486.00	.....	.....
Sept. . "	50,138.46	17,322.55	120,000.00	31,040.07	100.00	2,350.00	170,138.46	50,812.62	.....	.....	.....	.....
Oct. . "	245,600.00	5,665.44	209,000.00	88,463.19	480.00	557.75	454,600.00	95,166.38	.....	.....	.....	.....
Nov. . "	1,622,888.45	686,054.75	4,067,054.94	2,516,827.76	297,763.00	371,372.51	5,689,943.39	3,872,018.02	34,266.00	3,716.00	.....	.....
Dec. . "	462,552.00	9,871.37	447,483.00	13,228.37	1,403.00	1,920.00	910,035.00	26,224.74	.....	.....	.....	.....
Jan. . 1890	980,864.41	71,833.71	712,125.00	110,302.55	4,271.43	22,435.01	1,692,993.41	208,842.70	4,000.00	.....	.....	.....
Feb. . "	602,966.67	128,975.99	281,829.00	23,107.12	32,377.00	30,079.98	884,735.67	214,600.09	.....	.....	.....	.....
Total . .	5,467,940.33	1,066,775.61	7,547,020.04	3,197,250.18	348,474.63	465,581.76	13,014,984.37	5,078,142.48	45,379.00	4,771.40	10,000.00	432.95

Year.	Insurance.		Total Loss.		Loss not Insured.	
	1880	1881	1882	1883	1884	1885
1880	\$6,009,756.00	3,801,564.11	5,209,049.83	6,972,141.29	6,933,012.24	6,371,291.77
1881	3,801,564.11	5,209,049.83	6,972,141.29	6,933,012.24	6,371,291.77	4,194,491.11
1882	5,209,049.83	6,972,141.29	6,933,012.24	6,371,291.77	4,194,491.11	6,440,032.21
1883	6,972,141.29	6,933,012.24	6,371,291.77	4,194,491.11	6,440,032.21	7,490,420.52
1884	6,933,012.24	6,371,291.77	4,194,491.11	6,440,032.21	7,490,420.52	13,014,984.37
1885	6,371,291.77	4,194,491.11	6,440,032.21	7,490,420.52	13,014,984.37	.....
1886	4,194,491.11	6,440,032.21	7,490,420.52	13,014,984.37	.....	.....
1887	6,440,032.21	7,490,420.52	13,014,984.37	.....	.....	.....
1888	7,490,420.52	13,014,984.37	.....	.....	.....	.....
1889	13,014,984.37	.....	.....	.....	.....	.....

Comparison of Insurance and Losses for ten years, each year commencing March 1st, and ending the last day of February.



## FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1889, TO MARCH 1, 1890.

Months.			Days of the Week.		Days of the Month.		Hours of the Day.		
March, 1889.	55	Monday . .	98	1	18	Day Service.	6 to 7 A. M.	10	
				2	35		7 " 8 "	17	
				3	27		8 " 9 "	37	
April, "	80	Tuesday . .	131	4	27		9 " 10 "	22	
				5	32		10 " 11 "	26	
				6	30		11 " 12 NOON.	29	
May, "	63	Wednesday .	118	7	28		12 " 1 P. M.	27	
				8	33		1 " 2 "	29	
				9	26		2 " 3 "	28	
June, "	57	Thursday .	115	10	26		3 " 4 "	31	
				11	30		4 " 5 "	42	
				12	30		5 " 6 "	59	
July, "	63	Friday . . .	138	13	20	Night Service.	6 " 7 "	55	
				14	22		7 " 8 "	62	
				15	23		8 " 9 "	67	
August, "	53	Saturday . .	120	16	36		9 " 10 "	54	
				17	27		10 " 11 "	57	
				18	28		11 " 12 MIDN.	42	
September, "	64	Sunday . . .	100	19	21		12 " 1 A. M.	34	
				20	20		1 " 2 "	29	
				21	19		2 " 3 "	21	
October, "	58			22	46		3 " 4 "	18	
				23	23		4 " 5 "	14	
				24	32		5 " 6 "	10	
November, "	67			25	20				
				26	27				
				27	26				
December, "	92			28	25				
				29	23				
January, 1890.	90			30	23				
				31	17				
February, "	78								
Totals . . .	820		820		820				820

### DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper . . . . .	440
Boston Highlands District . . . . .	74
Charlestown . . . . .	63
East Boston . . . . .	61
South Boston . . . . .	84
Dorchester . . . . .	31
West Roxbury . . . . .	44
Brighton . . . . .	18
Somerville . . . . .	1
Everett . . . . .	1
Chelsea . . . . .	1
Milton . . . . .	1
Newton . . . . .	1
Total . . . . .	820

## CLASSIFICATION OF COVERS SPREAD.

27 Fires of 1 Cover each	27	1 Fire of 21 Covers	21
16 " " 2 Covers " "	32	5 Fires " 24 " each	120
10 " " 3 " " " "	30	2 " " 25 " " " "	50
12 " " 4 " " " "	48	1 Fire " 27 " " " "	27
7 " " 5 " " " "	35	2 Fires " 35 " each	70
4 " " 6 " " " "	24	1 Fire " 38 " " " "	38
5 " " 7 " " " "	35	1 " " 39 " " " " "	39
6 " " 8 " " " "	48	1 " " 42 " " " " "	42
4 " " 9 " " " "	36	1 " " 43 " " " " "	43
1 Fire " 10 " " " "	10	1 " " 46 " " " " "	46
2 Fires " 11 " " " "	22	1 " " 48 " " " " "	48
1 Fire " 12 " " " "	12	1 " " 57 " " " " "	57
1 " " 13 " " " "	13	1 " " 69 " " " " "	69
3 Fires " 14 " " " "	42	1 " " 70 " " " " "	70
1 Fire " 15 " " " "	15	1 " " 92 " " " " "	92
3 Fires " 16 " " " "	48	1 " " 96 " " " " "	96
3 " " 19 " " " "	57	1 " " 110 " " " " "	110
4 " " 20 " " " "	80	1 " " 227 " " " " "	227
Total Fires . . . . . 134		Total Covers . . . . . 1,879	

134 Fires, 1,879 Covers. Average 14.

## COVERS.

On hand last report . . . . .	436
Condemned . . . . .	17
Destroyed November 28, 1889, E. D. Jordan building . . . . .	26
,, February 2, 1890, Sears building . . . . .	1
Total condemned and destroyed . . . . .	44
New Covers received . . . . .	392
Total Covers on hand March 1, 1890 . . . . .	406

## CAUSES OF FIRES AND ALARMS.

---

Acid, breaking of a carboy of . . . . .	1
Alarms, false . . . . .	50
„ given for previous fires . . . . .	4
„ needless . . . . .	11
Ammonia, breaking of a carboy of . . . . .	1
Ashes, hot . . . . .	4
„ „ in a fire-place . . . . .	1
„ „ from a forge . . . . .	1
„ „ „ pipe . . . . .	6
„ „ in wooden receptacle . . . . .	4
Assistance called for . . . . .	5
Attempting to burn off paint from a building . . . . .	1
„ to thaw out water-pipes . . . . .	1
Boiling over of alcohol . . . . .	1
„ „ fat . . . . .	10
„ „ oil . . . . .	1
„ „ rubber . . . . .	1
„ „ tar . . . . .	3
„ „ varnish . . . . .	2
Bonfires . . . . .	2
Boys, set by . . . . .	18
Brush fires . . . . .	10
Candle, lighted . . . . .	7
„ „ igniting curtain . . . . .	3
Chimney fire . . . . .	33
„ „ back draught in . . . . .	1
Cigar stubs, lighted . . . . .	11
Cigarettes „ . . . . .	1
Coals, hot, from a stove . . . . .	1
„ „ „ roofer's fire-pot . . . . .	1
Coal, soft, igniting from a hot boiler . . . . .	1
Collapsing of a building . . . . .	2
Defective chimney . . . . .	13
„ fire-place . . . . .	3
„ flue . . . . .	6
„ funnel-hole . . . . .	2
„ smoke oven . . . . .	1
„ oven . . . . .	2

Electric light, carbon, sparks from . . . . .	1
„ „ wires, defective insulation . . . . .	1
„ „ „ overcharged . . . . .	4
Exhibition of fire-proof paint . . . . .	1
Fire-crackers . . . . .	3
„ works . . . . .	2
Floor, settling of a . . . . .	1
Furnace, oil dropping on fire in a . . . . .	1
Gas jets, lighted . . . . .	2
„ „ „ igniting curtains . . . . .	15
„ „ „ „ drapery . . . . .	1
„ „ „ „ evergreen . . . . .	1
„ „ „ „ goods in window . . . . .	3
„ leakage, attempting to find with a lighted candle . . . . .	3
„ „ „ „ „ „ „ „ match . . . . .	2
„ stoves, rubber connection burning off . . . . .	2
„ „ igniting a wig . . . . .	1
Gasoline lamp, explosion of a plumber's lighted . . . . .	1
Gasoline stove, attempting to fill a lighted . . . . .	1
„ „ upsetting of a lighted . . . . .	1
„ torch, attempting to fill a lighted . . . . .	1
„ „ falling of a lighted . . . . .	1
Hot iron . . . . .	2
„ soot from a chimney . . . . .	1
„ „ igniting sawdust . . . . .	1
„ „ „ woodwork . . . . .	2
Incendiary . . . . .	3
„ supposed . . . . .	45
Kerosene oil, attempting to build a fire with . . . . .	1
„ „ igniting from a lighted match . . . . .	1
„ „ lamp, attempting to fill a lighted . . . . .	2
„ „ „ breaking of a lighted . . . . .	71
„ „ „ explosion of a „ . . . . .	23
„ „ „ upsetting of a „ . . . . .	12
„ „ „ curtain igniting from a lighted . . . . .	2
„ „ stove, attempting a fill a lighted . . . . .	3
„ „ „ upsetting of a lighted . . . . .	5
Lamp, lighted oil, igniting felting . . . . .	1
Leaky oil still . . . . .	1
Lime, slacking of . . . . .	2
Matches, children and . . . . .	34
„ rats and . . . . .	8
„ lighted . . . . .	17
„ „ thrown among bedding . . . . .	1
„ „ „ „ clothing in a closet . . . . .	8
„ „ „ „ „ „ basket . . . . .	2
„ „ „ „ „ excelsior . . . . .	1

Matches, lighted, thrown among hay . . . . .	4
„ „ „ „ oily dust . . . . .	1
„ „ „ „ rubbish . . . . .	13
„ „ „ „ shavings . . . . .	2
„ „ „ „ stamping material . . . . .	1
„ „ „ „ straw . . . . .	4
„ „ „ „ sweepings . . . . .	1
„ „ „ „ waste paper . . . . .	4
„ „ „ in bureau drawer . . . . .	1
„ „ „ on curtain . . . . .	3
„ „ „ „ lounge . . . . .	1
„ „ „ „ oily floor . . . . .	1
„ „ „ „ oakum . . . . .	2
„ „ „ igniting curtain . . . . .	1
Meat in stove-oven igniting . . . . .	1
„ „ kettle burning . . . . .	1
Naphtha lamp, explosion of a lighted . . . . .	1
Overheated boiler . . . . .	2
„ chimneys . . . . .	6
„ furnace . . . . .	4
„ funnel . . . . .	3
„ hot-air pipe . . . . .	4
„ japanning oven . . . . .	1
„ journal . . . . .	1
„ stove . . . . .	19
Rag in funnel-hole igniting . . . . .	1
Rekindling of fire . . . . .	1
Rubbish igniting . . . . .	1
Smoke coming through an open flue . . . . .	1
Smoky chimney . . . . .	2
„ furnace . . . . .	1
„ stoves . . . . .	13
Sparks from a chimney . . . . .	13
„ „ „ fire-box . . . . .	4
„ „ „ flue-hole . . . . .	4
„ „ „ forge . . . . .	4
„ „ „ hoisting engine . . . . .	3
„ „ „ locomotive engine . . . . .	3
„ „ „ stationary „ . . . . .	2
„ „ „ sawing hardwood . . . . .	1
„ „ „ a smelting furnace . . . . .	1
Spontaneous combustion . . . . .	1
„ „ of brimstone . . . . .	1
„ „ „ oily rags . . . . .	13
„ „ „ rubbish . . . . .	2
„ „ „ waste . . . . .	4
Stove, hot, clothing igniting from a . . . . .	1





## GRADE OF LOSSES.

Grade of Losses for the year 1889, commencing January 1st, and ending December 31st.

		Aggregate.	Average.
294	Fires with no loss.		
220	" " loss under \$100 . . . . .	\$8,182.90	37.19
137	" " " from \$100 to \$500 . . . . .	33,585.00	245.14
46	" " " " \$500 to \$1,000 . . . . .	32,406.43	704.50
54	" " " " \$1,000 to \$5,000 . . . . .	113,065.43	2,093.80
20	" " " " \$5,000 to \$10,000 . . . . .	141,166.58	7,058.32
5	" " " " \$10,000 to \$15,000 . . . . .	64,865.45	12,973.09
	Over \$15,000, as follows:—		
1	Fire Jan. 3, Highland St., City Stable . . . . .	20,000.00	\$4,426,607.33
1	" Feb. 1, 109 to 113 Court St., "Nickelodeon" . . .	33,660.16	
1	" " 16, 276 and 278 Friend St., Geo. F. Blake Mfg. Co., Pumps, etc. . . . .	18,641.94	
1	" April 9, Lowell St., Boston & Maine R. R. Sheds .	140,016.10	
1	" " 22, Huntington Ave., Boston & Albany R. R. Sheds . . . . .	24,248.31	
1	" June 21, 22 and 24 Summer St., Heyer Bros., Fire-works, etc . . . . .	79,011.40	
1	" July 6, Holley St., Roxbury, Lawson Mfg. Co., Cash Slips, etc. . . . .	78,889.43	
1	" " 10, 77 and 79 Franklin St., Pope Mfg. Co., Bicycles, etc. . . . .	26,569.50	
1	" Aug. 31, 13 to 21 Kingston St., Wheeler, Blodgett & Co., Dry Goods . . . . .	68,494.52	
1	" Oct. 23, 93 and 95 Summer St., Fowle, Cobb & Pearson, Manufacturers of Overalls .	54,687.48	368,883.94
1	" " 25, 15 and 16 Lewis Wharf, Storage . . . . .	29,198.63	
1	" Nov. 28, Bedford St. . . . .	3,853,189.86	
788		\$4,819,879.62	\$6,103.15

The 494 fires where there was a loss, the average was \$9,756.84.

Comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss; for nine years, commencing January 1, 1881.

Year.	Total Fires.	Total Fires with Loss.	Total Loss.	Average Loss of Total Fires.	Average loss of total Fires with loss.
1881	558	344	\$467,105.28	\$837.10	\$1,357.86
1882	502	329	958,835.88	1,910.03	2,914.39
1883	641	371	1,132,982.18	1,767.52	3,053.86
1884	633	398	1,101,253.60	1,739.73	2,766.96
1885	655	397	1,232,255.05	1,881.30	3,103.91
1886	687	448	1,089,196.05	1,585.43	2,431.24
1887	754	460	690,454.11	915.72	1,500.98
1888	834	554	1,031,676.72	1,237.02	1,862.23
1889	788	494	4,819,879.62	6,103.15	9,756.84
Total,	6,052	3,795	12,523,638.49	2,069.34	3,300.04



Statement of the insurance; loss paid by companies; per cent. of insurance paid in losses by companies; loss not insured; total loss, and per cent. of total loss not insured on buildings and contents; for nine years, each year commencing January 1, and ending December 31; also the total insurance; total loss paid by companies; per cent. of insurance paid in losses by companies; total loss, and per cent. of total loss not insured; for nine years.

### BUILDINGS.

Year.	Insurance.	Loss Paid by Companies.	Percent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$2,307,064.38	\$115,612.03	05.01	\$14,888.01	\$130,500.04	11.40
1882	2,405,529.94	159,246.42	06.62	26,271.67	185,518.09	14.16
1883	3,856,784.88	334,981.10	08.68	23,478.10	358,459.20	07.00
1884	3,227,819.93	189,168.83	05.86	28,022.40	217,191.23	14.81
1885	3,070,687.86	221,801.75	07.22	24,240.96	246,042.71	09.85
1886	2,733,588.56	275,269.13	10.06	136,800.13	412,069.26	33.19
1887	3,290,462.47	171,871.93	05.22	68,206.29	240,078.22	28.41
1888	4,492,935.42½	227,933.85½	05.07	12,302.39¾	240,236.25	05.12
1889	4,583,384.25	911,382.45	19.88	330,747.20	1,242,129.65	26.62
Total,	\$29,968,257.69½	\$2,607,267.49½	08.70	\$664,957.15¾	\$3,272,224.65	20.32

### CONTENTS.

Ye r.	Insurance.	Loss Paid by Companies.	Percent. of Insurance Paid in Losses by Co's.	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$1,598,163.23	\$304,792.58	19.07	\$31,813.20	\$336,605.78	09.45
1882	2,475,362.73	622,795.39	25.16	150,522.40	773,317.79	19.46
1883	2,742,409.07	596,324.39	21.74	178,198.59	774,522.98	23.00
1884	4,244,172.75	781,134.46	18.40	102,927.91	884,062.37	11.64
1885	2,992,044.37	900,648.20	30.10	85,564.14	986,212.34	08.67
1886	2,270,318.15	499,804.78	22.01	177,322.01	677,126.79	26.18
1887	1,886,074.17	369,067.09	19.57	81,308.80	450,375.89	18.05
1888	3,573,802.80¾	715,197.05¾	20.01	76,243.41½	791,440.47	09.63
1889	7,153,078.90	3,149,636.38	44.03	427,680.64	3,577,317.02	11.95
Total,	\$28,935,426.17¾	\$7,939,400.32¾	27.43	\$1,311,581.10½	\$9,250,981.43	14.17

### TOTAL.

Year.	Total Insurance on Buildings and Contents.	Total Loss on Buildings and Contents Paid by Companies.	Per cent. of total Insurance paid in Losses by Co's.	Total Loss on Buildings and Contents.	Per cent. of Total Loss to Insurance.
1881	\$3,905,227.61	\$420,404.61	10.76	\$467,105.82	11.96
1882	4,880,892.67	782,041.81	16.02	958,835.88	19.64
1883	6,599,193.95	931,305.49	14.11	1,132,982.18	17.16
1884	7,471,992.68	970,303.29	12.98	1,101,253.60	14.73
1885	6,062,732.23	1,122,449.95	18.51	1,232,255.05	20.32
1886	5,003,906.71	775,073.91	15.48	1,089,196.05	21.76
1887	5,176,536.64	540,939.02	10.45	690,454.11	13.34
1888	8,066,738.23	943,130.91	11.69	1,031,676.72	12.79
1889	11,736,463.15	4,061,018.83	34.60	4,819,446.67	41.06
Total,	\$58,903,683.87	\$10,546,667.82	17.90	\$12,523,206.08	21.26



INSURANCE AND LOSSES

OF THE

FIRE,

NOVEMBER 28, 1889.

# INSURANCE AND LOSSES.

No.	STREET	OWNER.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	OCCUPANTS.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	Total Loss to Bldgs.	Total Loss to Cont'n'ts
69 to 87	Bedford	E. D. Jordan .....	\$193,000 00	\$193,000 00	\$64,000 00	\$260,000 00	Brown, Durrell & Co..... Woonsocket Rubber Co..... R. G. Solomon..... Jordan, Marsh & Co..... L. Barnard..... W. Ireson & Co..... Boston Electric Time Co... J. W. Robertson..... A. Meyer & Co..... P. J. Gleason & Co..... Geo. F. Allen & Co..... Chas. McEvoy..... W. R. M. Tenney..... G. A. Bunton & Bros..... Herbert & Kapp Co..... N. E. Shoe & Leather Asso. J. S. Barnett & Bro..... G. A. Dorst..... S. Keith & Co..... Warren Thread Co..... W. H. Cundy..... John S. Fogg & Co..... Thos. Corseaden..... Royce & Goff..... McKean & Appleton..... Junius Beebe, Assignee } Total.....	\$447,750 00 75,500 00 27,000 00 139,500 00 500 00 1,000 00 1,500 00 3,500 00 7,000 00 1,500 00 2,000 00 2,000 00 1,200 00 3,000 00 1,500 00 2,500 00 7,500 00 2,000 00 2,500 00 5,000 00 17,500 00 48,500 00 1,000 00 18,500 00 *300 00 819,750 00	\$447,750 00 75,500 00 27,000 00 139,500 00 500 00 1,000 00 1,500 00 3,500 00 7,000 00 1,500 00 2,000 00 2,000 00 1,200 00 3,000 00 1,500 00 2,500 00 7,500 00 2,000 00 2,500 00 5,000 00 17,500 00 48,500 00 1,000 00 18,500 00 *300 00 813,293 75	\$23,233 30 36,037 37 14,840 82 15,500 00 ..... 600 00 4,137 70 1,389 43 1,162 33 714 50 348 23 ..... 343 00 ..... 350 00 800 00 3,806 25 336 87 832 88 4,200 00 36,584 62 4,750 00 ..... 11,631 12 ..... 160,825 54	\$470,983 30 111,537 37 41,840 82 155,000 00 500 00 1,600 00 5,637 70 4,889 43 8,162 33 2,214 50 2,348 23 510 87 1,543 00 ..... 1,850 00 3,300 00 11,306 25 2,336 87 832 88 9,200 00 54,084 62 53,250 00 1,000 00 30,191 12 ..... 974,119 29		
89 & 91	Bedford	H. Lee, et al .....	44,951 62	36,779 00	.....	36,779 00	J. B. Smith..... F. M. Crosby..... G. F. Littlefield..... Hadley Mfg. Co..... Chas. E. Aldrich & Co..... Total.....	165,000 00 1,000 00 2,000 00 2,000 00 400 00 170,400 00	138,000 00 1,000 00 2,000 00 1,007 60 400 00 142,407 60	..... 500 00 ..... ..... 200 00 700 00	138,000 00 1,500 00 2,000 00 1,007 60 600 00 143,107 60	..... ..... ..... ..... ..... 36,779 00	..... ..... ..... ..... ..... 143,107 60
93 to 97	Bedford	H. Lee, et al .....	29,828 33	766 00	.....	766 00	Jenkins Mfg. Co..... Whitcomb & Paine..... A. B. Crocker & Co..... Total.....	15,000 00 57,000 00 30,000 00 102,000 00	50 00 1,140 00 1,500 00 2,690 00	..... ..... ..... .....	50 00 1,140 00 1,500 00 2,690 00	..... ..... ..... 766 00	..... ..... ..... 2,690 00

Salvage





# INSURANCE AND LOSSES.—Continued.

No.	STREET	OWNER.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	OCCUPANTS.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	Total Loss to Bldgs.	Total Loss to Contents
70 & 72	Chauncy	J. W. S. Marshall.....	\$5,000 00	\$5,000 00	\$2,000 00	\$7,000 00	Wight Bros..... W. Kahle..... Total.....	\$30,750 00 1,500 00 32,250 00	\$30,750 00 1,391 73 32,141 73	\$9,614 71 .. .. 9,614 71	\$40,364 71 1,391 73 41,756 44		\$41,756 44
74 & 76	Chauncy	W. W. Story..... RENTS.....	20,000 00 2,666 00	20,000 00 2,666 00	4,000 00 .....	24,000 00 .....	Sanborn, Ham & Co..... Cluett, Coon & Co..... Boston Comfort Corset Co.. Total.....	29,500 00 9,750 00 6,000 00 45,250 00	29,500 00 9,750 00 6,000 00 45,250 00	972 08 2,933 89 1,979 58 5,885 55	30,472 08 12,683 89 7,979 58 51,135 55		51,135 55
78 & 80	Chauncy	Asa P. Potter.....	20,000 00	20,000 00	4,000 00	24,000 00	Ewing Bros..... B. S. Luther..... Total.....	7,500 00 43,000 00 50,500 00	7,500 00 43,000 00 50,500 00	1,541 96 10,000 00 11,541 96	9,041 96 53,000 00 62,041 96		62,041 96
82 & 84	Chauncy	D. & H. Nevins..... RENTS.....	60,000 00 *19,000 00	60,000 00 .....	22,000 00 .....	82,000 00 .....	S. Williams..... Bridgham & Co..... Nevins & Co..... W. L. Strong..... W. L. Strong..... Harry Elger..... Silver Lake Mfg. Co..... Worthen & Torrey..... J. E. Worthen..... S. Slater & Sons..... Thos. P. Taylor..... Dimick & Austin..... Arnold, Constable & Co... Hilton, Hughes & Denning H. F. Allen & Co..... Total.....	54,000 00 32,500 00 11,000 00 2,000 00 76,000 00 *1,000 00 2,500 00 1,500 00 3,000 00 8,000 00 5,000 00 ..... 1,500 00 *5,000 00 2,000 00 205,000 00	54,000 00 32,500 00 5,842 05 732 05 36,224 02 ..... 1,903 51 4,500 00 3,000 00 8,000 00 5,000 00 ..... 1,045 17 ..... 2,000 00 151,806 80	38,832 22 243 33 1,000 00 ..... ..... ..... ..... 2,004 14 3,000 00 1,000 00 1,000 00 ..... ..... 338 00 47,477 69	92,832 22 32,743 33 6,842 05 732 05 36,224 02 ..... 1,903 51 6,504 14 11,000 00 6,000 00 1,000 00 1,045 17 ..... 2,398 00 199,284 49		92,832 22 32,743 33 6,842 05 732 05 36,224 02 ..... 1,903 51 6,504 14 11,000 00 6,000 00 1,000 00 1,045 17 ..... 2,398 00 199,284 49
90 & 92	Chauncy	Joy, Langdon & Co....	*7,000 00	.....	.....	.....	T. C. Pazolt..... H. C. Whittle..... Total.....	20,500 00 300 00 20,800 00	205 00 100 00 305 00	..... ..... .....	205 00 100 00 305 00		305 00
41 to 45	Chauncy	F. A. Dewson, Trs.....	55,000 00	370 87	.....	370 87	No damage to Contents.	.....	.....	.....	.....	370 87	.....

61 to 67	Chauncy	W. H. Allen	\$135,000 00	\$44,468 00	Farley, Harvey & Co.	\$205,000 00	\$108,440 50	.....	.....	Salvag
					O. H. Sampson.....	.....	250 00	.....	.....	
					C. H. Curtis.....	500 00	800 00	.....	.....	
					Stoughton Rubber Co.....	10,000 00	8,011 00	.....	.....	
					W. H. H. Soule.....	2,000 00	1,650 00	.....	.....	
					J. Dougan & Co.....	1,000 00	281 25	.....	.....	
					D. C. Griswold & Co.....	7,750 00	3,800 00	.....	.....	
					Abegg, Daneniker & Co., }	4,000 00	2,772 26	.....	.....	
					W. W. Locke, Agent.. }	.....	300 00	.....	.....	
					David A. Lindsay.....	.....	150 00	.....	.....	
					J. S. Holden Mfg. Co., }	.....	435 00	.....	.....	
					Geo. A. Leonard, Agent }	1,000 00	.....	.....	.....	
					Loeb & Schoenfeld..... }	231,250 00	125,890 01	.....	.....	
					J. H. Christie, Agent.. }	.....	.....	.....	.....	
					Total.....	34,500 00	34,500 00	.....	.....	
69 to 75	Chauncy	F. A. Dewson, Trs.....	30,000 00	27,587 00	Thomas Christian.....	72,000 00	37,719 77	.....	.....	Salvag
					O. H. Sampson & Co.....	9,000 00	5,219 64	.....	.....	Salvag
					Wm. Ayres & Son.....	.....	500 00	.....	.....	Salvag
					Horace A. Lamb.....	.....	.....	.....	.....	
					Total.....	115,500 00	77,439 41	.....	.....	
77 & 79	Chauncy	} F. L. Ames.....	100,000 00	1,880 00	Cheney Bros.....	25,000 00	100 00	.....	.....	
29 & 31	Exeter Pl				Warren & Blanchard.....	80,000 00	7,500 00	.....	.....	
	Bedford				W. R. Morse & Co.....	18,000 00	265 00	.....	.....	
					Geo. Frost & Co.....	56,000 00	575 00	.....	.....	
					Wilson, Larrabee & Co...	250,000 00	15,000 00	.....	.....	
					Floyd Bros. & Co.....	33,000 00	100 00	.....	.....	
					Brown, Wood & Kingman.	*5,000 00	.....	.....	.....	
					J. H. Lane & Co.....	5,000 00	225 00	.....	.....	
					Total.....	472,000 00	23,765 00	.....	.....	
89 to 99	Chauncy	H. H. Hunnewell.....	80,000 00	956 42	No damage to Contents.	.....	.....	.....	.....	
18 & 20	Chauncy	No damage to Building.	.....	.....	Stevens, Hovey & Co.....	5,000 00	200 00	.....	.....	
11	Columbia	Bennett Heirs.....	5,000 00	190 00	No damage to Contents.	.....	.....	.....	.....	
15	Columbia	N. M. Jewett.....	5,000 00	20 00	No damage to Contents.	.....	.....	.....	.....	
17	Columbia	Hannah Minehan.....	5,000 00	212 00	No damage to Contents.	.....	.....	.....	.....	
84	Essex	A. W. Lamson, Trs.....	5,000 00	604 00	R. H. Archibald.....	600 00	300 00	.....	.....	
86	Essex	E. Pierson, Trs.....	4,000 00	13 05	R. H. Archibald.....	1,000 00	400 00	.....	.....	
88	Essex	W. J. Wilson.....	5,000 00	800 00	No damage to Contents.	.....	.....	.....	.....	
Rear 90	Essex	Mrs. D. W. Foster.....	4,000 00	100 00	Unknown.	.....	.....	.....	.....	
92	Essex	Mrs. D. W. Foster.....	4,000 00	40 00	Unknown.	.....	.....	.....	.....	
94	Essex	Mrs. D. W. Foster.....	1,000 00	468 00	Unknown.	.....	.....	.....	.....	
Rear 94	Essex	Mrs. D. W. Foster.....	5,700 00	4,000 00	Not Occupied	.....	.....	.....	.....	
28	Kingston	Joseph Hay.....	.....	.....	.....	.....	.....	.....	.....	

\* Loss not settled.



# INSURANCE AND LOSSES.—Continued.

No.	STREET.	OWNER.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	OCCUPANTS.	Insurance.	Loss to Companies	Loss not Insured	Total Loss	Total Loss to Bldgs.	Total Loss to Cont'n'ts
30	Kingston	N. E. Shoe & Lea. Asso.	\$10,000 00	\$4,080 00	.....	\$4,080 00	J. Ivers..... Globe Stamp Works..... Total.....	\$600 00 1,700 00 2,300 00	\$600 00 1,700 00 2,300 00	\$200 00 734 00 934 00	\$800 00 2,434 00 3,234 00	\$4,080 00	\$3,234 00
31 & 33	Kingston	J. A. Lane.....	15,000 00	1,128 00	.....	1,128 00	J. G. Bowden..... B. Birnbaum..... Total.....	16,550 00 7,900 00 24,450 00	450 00 900 00 1,350 00	..... ..... .....	450 00 900 00 1,350 00	1,128 00	1,350 00
35 & 37	Kingston	J. P. Thorndike Estate	20,000 00	1,644 00	.....	1,644 00	Sam'l D. Prince..... Shaw Bros. & Co..... Brainerd & Armstrong Co. A. Cohen & Co..... Total.....	500 00 23,000 00 25,000 00 5,000 00 53,500 00	160 00 8,184 91 2,658 24 1,300 00 12,303 15	..... ..... ..... ..... .....	160 00 8,184 91 2,658 24 1,300 00 12,303 15	1,644 00	12,303 15
39 & 41	Kingston	Z. A. Williard.....	15,000 00	15,000 00	\$5,000 00	20,000 00	Wm. Bradley..... R. T. Palmer..... J. W. French..... T. O. Gardner & Co..... National Thread Co..... Stearns & Co..... T. D. Whitney & Co..... J. W. Conway & Co..... A. Fox & Co..... Total.....	500 00 2,000 00 500 00 9,000 00 5,000 00 5,000 00 1,000 00 500 00 5,000 00 28,500 00	500 00 1,548 25 500 00 9,000 00 5,000 00 4,135 54 443 00 42 94 5,000 00 26,169 73	..... ..... 310 25 3,000 00 7,000 00 ..... ..... 1,012 00 11,322 25	500 00 1,548 25 810 25 12,000 00 12,000 00 4,135 54 443 00 42 94 6,012 00 37,491 98	20,000 00	37,491 98
43 & 45	Kingston	Mrs. J. A. Cuntz ..... RENTS.....	10,000 00 3,000 00	10,000 00 1,450 00	2,000 00 .....	12,000 00 .....	P. McShane..... H. E. Heilge..... S. Rosenfeld..... Total.....	600 00 ..... 6,988 90 7,588 90	600 00 ..... 6,988 90 7,588 90	171 65 700 00 511 10 1,382 75	771 65 700 00 7,500 00 8,971 65	12,000 00	8,971 65
63 59 & 61	Kingston Bedford	F. L. Ames, <i>et al.</i> ....	60,000 00	60,000 00	100,000 00	160,000 00	Davis, Pitts & Co..... Taylor Bros. & Co..... Bradford, Thomas & Co..... Total.....	182,000 00 102,500 00 150,000 00 434,500 00	172,708 27 95,663 16 111,181 65 379,553 08	..... ..... ..... .....	172,708 27 95,663 16 111,181 65 379,553 08	160,000 00	379,553 08

67 & 69 55 & 57	Kingston Bedford	{ F. L. Ames, et al..... }	\$85,000 00	\$85,000 00	\$90,000 00	\$175,000 00	Walker, Stetson & Co..... G. T. Quinn & Co..... Jordan, Marsh & Co..... Clafin, Larrabee & Co..... C. J. Davis ..... A. S. Morrison & Bro..... T. Y. Crowell & Co..... Ford, Howard & Hulbert.. Henry Bill Publishing Co.. American Unitarian Asso.. Silver, Burdett & Co..... D. Lothrop & Co..... Congregational Sunday } School & Pub. Society. } Sampson & Murdoch..... Universalist Publishing Co. Total.....	\$152,000 00 3,000 00 29,000 00 277,000 00 3,000 00 9,500 00 54,500 00 150 00 3,000 00 2,000 00 600 00 2,000 00 1,000 00 2,000 00 2,500 00 541,250 00	\$152,000 00 3,000 00 29,000 00 217,594 28 662 27 9,500 00 54,500 00 82 60 3,000 00 1,814 60 600 00 2,000 00 1,000 00 2,000 00 1,911 74 478,665 49	\$44,442 00 1,433 98 25,700 00 ..... 103 00 6,874 40 20,361 95 ..... 1,543 64 ..... 34 75 2,000 00 450 00 500 00 ..... 103,443 72	\$196,442 00 4,433 98 54,700 00 217,594 28 765 27 16,374 40 74,861 95 82 60 4,543 64 1,814 60 634 75 4,000 00 1,450 00 2,500 00 1,911 74 582,109 21	180,000 00	582,109 21	
										180,000 00	582,109 21			
71 to 79	Kingston	A. H. Ellis, et al.....	16,000 00	1,497 75	.....	1,497 75	Allen Bros..... W. S. Soule..... J. Etchorn..... R. Kamuler ..... Sam'l Stack ..... Leopold Morse & Co..... Bouve, Daniels & Co..... W. H. Seaver..... Total.....	1,000 00 300 00 6,500 00 1,200 00 1,500 00 15,000 00 2,500 00 600 00 28,600 00	795 05 87 50 262 75 761 42 462 50 388 52 149 58 25 00 2,932 32	..... ..... ..... ..... ..... ..... ..... ..... .....	795 05 87 50 262 75 761 42 462 50 388 52 149 58 25 00 2,932 32	.....	2,932 32	
83 to 91	Kingston	B. W. Parker Estate..	3,000 00	159 00	.....	159 00	Mary Quinn..... Patrick O'Connor..... Total.....	*2,000 00 1,800 00 3,800 00	..... 30 00 30 00	..... ..... .....	.. ... 30 00 30 00	.....	.....	.....
76 & 78	Kingston	W. Durant .....	5,000 00	441 00	.....	441 00	James Reardon..... Sylvanus Collins..... Albert Pierce..... Total.....	300 00 600 00 1,000 00 1,900 00	10 00 17 50 110 00 137 50	..... ..... ..... .....	10 00 17 50 110 00 137 50	.....	.....	137 50
80 to 84 1	Kingston Rowe P1	N. Whiting Heirs..... Joy, Langdon & Co....	8,750 00 *5,000 00	1,318 32 .....	.....	1,318 32	American Tool & Mach. Co. J. F. White & Co..... Total.....	22,014 00 2,500 00 7,500 00	2,364 06 50 00 733 08	..... ..... .....	2,364 06 50 00 733 08	.....	1,318 32	2,364 06
2	Rowe P1	Joy, Langdon & Co....	*5,000 00	.....	.....	.....	A. Cohen & Co..... I. Simon..... Total.....	1,000 00 8,500 00	125 00 858 08	..... .....	125 00 858 08	.....	.....	.....
3 & 4 5	Rowe P1 Rowe P1	Ellen V. Sears..... Eben Sears Estate.....	10,000 00 4,000 00	303 00 650 00	.....	303 00 650 00	W. H. Brackett ..... O. A. Frye..... Grand Total.....	1,500 00 1,500 00 4,009,702 90	15 00 403 02 2,505,214 44	..... ..... .....	15 00 403 02 370,687 51	.....	303 00 650 00 977,287 91	15 00 403 02 2,875,901 95
Grand Total.....														
1,388,030 45 679,524 91 297,763 00 977,287 91 977,287 91 2,875,901 95														

\* Loss not settled.

Insurance on buildings . . . . .	\$1,388,030.45
Loss       ,,       ,, . . . . .	679,524.91
,,       ,,       not insured . . . . .	297,763.00
Insurance on contents . . . . .	4,009,702.90
Loss on contents . . . . .	2,505,214.44
,,       ,,       not insured . . . . .	370,687.51
Total insurance . . . . .	5,397,733.35
,,       loss . . . . .	3,853,189.86
Insurance on rents . . . . .	34,666.00
Loss       ,,       ,,       settled . . . . .	4,116.00
Buildings totally destroyed . . . . .	16
,,       partially damaged . . . . .	36
Total . . . . .	<u>52</u>

Kind of Buildings.	Totally destroyed.	Partially damaged.	Total
Stone and brick, " for business purposes " . . . . .	7	14	21
Brick " for business purposes " . . . . .	9	7	16
,,       dwellings . . . . .	—	4	4
,,       stores and dwellings . . . . .	—	5	5
Frame dwellings . . . . .	—	2	2
,,       L to brick dwellings . . . . .	—	<u>4</u>	<u>4</u>
Total . . . . .			<u>52</u>

## SCHEDULE OF PROPERTY

OWNED BY THE DEPARTMENT AND CONTAINED IN HOUSES NOS. ONE AND TWO, AND IN THE OUTLYING DISTRICTS.

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Horses . . . . .	7
Wagons "complete" . . . . .	2
Pungs " . . . . .	2
Wagons for Superintendent (1 unsafe) . . . . .	2
Sleighs " . . . . .	2
Rubber Covers . . . . .	406
Canvas " for roofs . . . . .	4
Fire Extinguishers (4 unsafe) . . . . .	8
Life-Saving Blankets . . . . .	2
Sets of patent double harnesses, "new" . . . . .	2
" " " " "old" . . . . .	2
Single harnesses . . . . .	3
Wagon poles "extra" . . . . .	2
Wheels "extra" . . . . .	4
Whiffletrees "extra" . . . . .	5
Bedsteads with bedding . . . . .	23
Mantle bedsteads with bedding . . . . .	2
Billiard table "complete" . . . . .	1
Helmets . . . . .	30
Necessary tools and equipments.	
" stable equipments.	
" extra parts of harnesses.	
" house furniture and fixtures.	
" telegraph apparatus.	
" gas fixtures.	
" supplies.	
" stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

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## ACCIDENTS

To Members of the Department from March 1, 1889, to March 1, 1890.

1889.

November 28. Lieut. S. E. Smith, sprained ankle at fire on Bedford St.

December 7. Assistant Driver A. F. Hall, injury to knee while responding to alarm Box 38.



## BOSTON FIREMEN'S RELIEF FUND.

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The following amounts have been paid by the Trustees of the Boston Firemen's Relief Fund, to sick and disabled members of the Boston Protective Department, during the year from March 1, 1889, to March 1, 1890:—

1889.	March 28.	Patrolman H. S. Kendall . . . . .	\$14.00
	„ 28.	„ F. O. Hinckley . . . . .	19.62
	„ 28.	„ J. L. Huff . . . . .	24.20
	„ 28.	„ S. W. Ronimus . . . . .	23.85
	„ 28.	„ G. H. Carter . . . . .	70.50
	„ 28.	Callman G. W. Dalton . . . . .	35.75
May	7.	Lieut. M. F. Packard . . . . .	36.35
„	7.	Patrolman C. H. Cushing . . . . .	8.50
June	6.	„ J. T. Fitzgerald . . . . .	18.00
Aug.	9.	„ A. T. Osborne . . . . .	99.00
Oct.	2.	„ G. H. Carter . . . . .	45.00
	„ 9.	„ S. W. Ronimus . . . . .	44.95
Nov.	12.	„ G. H. Carter . . . . .	91.50
	„ 21.	Capt. D. R. Dearing . . . . .	85.50
Total		. . . . .	<u>\$616.72</u>

## BOSTON PROTECTIVE DEPARTMENT MUTUAL RELIEF ASSOCIATION.

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The following amounts have been paid by Treasurer Lieut. H. S. Kendall, to sick and disabled members of this department, during the year from March 1, 1889, to March 1, 1890 :—

Callman J. E. Thayer,	March 5, 1889	. . . . .	\$5.00
Patrolman S. W. Ronimus,	Aug. 23, "	. . . . .	15.00
,, G. H. Carter,	Sept. 1, "	. . . . .	5.00
,, " "	" 11, "	. . . . .	5.00
,, " "	Oct. 1, "	. . . . .	10.00
,, " "	" 8, "	. . . . .	5.00
,, " "	" 27, "	. . . . .	15.00
,, " "	Nov. 3, "	. . . . .	5.00
,, " "	" 11, "	. . . . .	5.00
,, " "	Dec. 31, "	. . . . .	5.00
,, " "	Jan. 3, 1890	. . . . .	10.00
Capt. D. R. Dearing,	Oct. 10, 1889	. . . . .	5.00
,, " "	" 25, "	. . . . .	10.00
,, " "	Nov. 4, "	. . . . .	5.00
,, " "	" 11, "	. . . . .	5.00
,, " "	" 18, "	. . . . .	5.00
,, " "	" 25, "	. . . . .	5.00
,, " "	Dec. 11, "	. . . . .	10.00
,, " "	Jan. 3, 1890	. . . . .	10.00
,, " "	Feb. 7, "	. . . . .	10.00
Assistant Driver A. F. Hall,	Dec. 21, 1889	. . . . .	10.00
,, " " "	" 28, "	. . . . .	5.00
Lieut. H. S. Kendall,	Jan. 9, 1890	. . . . .	5.00
Callman C. A. Woods,	Feb. 4, "	. . . . .	10.00
Total . . . . .			\$180.00



## TRUSTEES' REPORT.

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Cash on hand Feb. 28, 1889 . . . . .	\$35.00
Received from Treasurer during the year . . . . .	42.00
Total . . . . .	<u>\$77.00</u>
Paid to Treasurer, as per drafts . . . . .	75.00
In hands of Trustees . . . . .	<u>\$2.00</u>

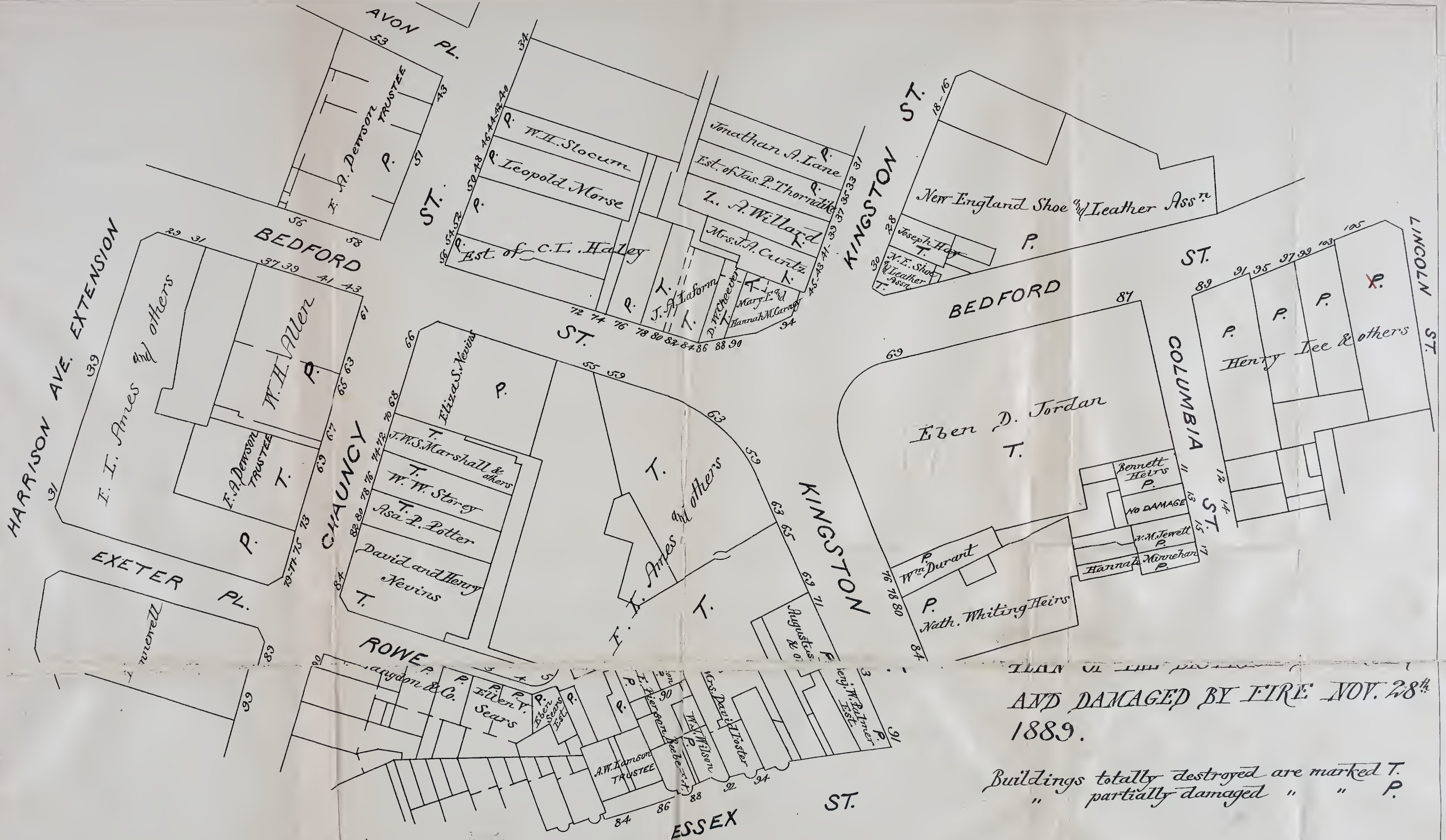
Respectfully submitted,

J. EDWARD HOLLIS. }  
 GEORGE R. ROGERS. } *Trustees.*  
 SAMUEL ABBOTT, JR. }

Boston, March 7, 1890.







AND DAMAGED BY FIRE NOV. 28<sup>th</sup> 1889.

Buildings totally destroyed are marked T.  
 " partially damaged " " P.



